

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS:

12-1-83 Name Change Operator: 931006 Phillips to MEPNA eff. 7-1-93:

* BE-ENTRY - (Horizontal)

950803 Oper. Name Change from MEPNA

* 950804 Commenced Injection eff. 7-10-95

(Have 3-lb) Well Log & 3 Electric Logs

DATE FILED 10-31-58 * 4-29-94

Nav-14-20-

LAND: FEE & PATENTED STATE LEASE NO.

PUBLIC LEASE NO.

INDIAN 603-353

DRILLING APPROVED: 10-31-58 * 5-23-94

SPUDDED IN: 11-15-58 * 5-6-94

COMPLETED: 12-13-58 * 7-19-94 POW

INITIAL PRODUCTION: 1273 BOPD 34" ch * 124 BOPD; 163 MCF; 25 BWPD

GRAVITY A. P. I.

GOR: * 1314

PRODUCING ZONES: 5570 - 5741 * 5575 - 6550 (DSCR)

TOTAL DEPTH: 5798 * 5579' TVD; 6550' MD

WELL ELEVATION: 4197.46 UGR 4812-0F' * 4802 GR

DATE ABANDONED:

FIELD OR DISTRICT: ~~Ratherford~~ ^{Greater} ~~Smith~~ "RATHERFORD UNIT"

COUNTY: San Juan

WELL NO. DESERT A - 21 (Ratherford 20-12)

API 43-037-15746

LOCATION: 1980 FT. FROM (N) (3) LINE, 660 FT. FROM (W) LINE. SW NW QUARTER - QUARTER SEC. 20

* BHL: 709' FNL

748' FEEL

NE NE

TWP.	RGE.	SEC.	OPERATOR	W.P.	RGE.	SEC.	OPERATOR
			MEPNA	MOBIL			EXPLO

QUATERNARY	Star Point	Sinbad	Brazer
Recent	Wahweap	PERMIAN	Pilot shale
Alluvium	Masuk	Kaibab	Madison
Lake beds	Colorado	Coconino	Leadville
Pleistocene	Mancos	Cutler	Redwall
Lake beds	Upper	Hoskinnini 2547' ^{2047'} ← equivalent	DEVONIAN
TERTIARY	Middle	DeChelly 2065	Upper
Pliocene	Lower	White Rim	Middle
Humboldt	Emery	Organ Rock 2833	Lower
Salt Lake	Blue Gate	Cedar Mesa	Ouray
Miocene	Ferron	Halgaite tongue	Elbert
Bishop conglomerate	Frontier	Phosphoris	Guilmette
Oligocene	Dakota	Park City	Simonson dolomite
Norwood	Burro Canyon	Rico (Goodridge)	Sevy dolomite
Eocene	Cedar Mountain	Supai	North Point
Duchesne River	Buckhorn	Bird Springs	SILURIAN
Uinta	JURASSIC	CARBONIFEROUS	Laketown dolomite
Bridger	Morrison	Pennsylvanian	ORDOVICIAN
Green River	Salt Wash	Oquirrh	Eureka quartzite
Upper	San Rafeal Gr.	Weber	Pogonip limestone
Middle	Summerville	Morgan	CAMBRIAN
Lower	Bluff sandstone	Hermosa	Lynch
Wasatch	Curtis	Upper	Bowman
Colton	Entrade	Lower	Tapeats
Flagstaff	Moab tongue	Molas	Ophir
Almy	Carmel	Paradox 5416'	Tintic
Paleocene	Glen Canyon Gr.	A	PRE-CAMBRIAN
Current Creek	Nava jo	B	HOMER TRAIL 4590
North Horn	Kayento	C	
CRETACEOUS	Wingate	Manning Canyon	
Montana	TRIASSIC	Mississippian	
Mesaverde	Chinle 1509	Chainman shale	
Price River	Shinarump 2390	Humbug	
Blackhawk	Moenkapi 146	Joana limestone	

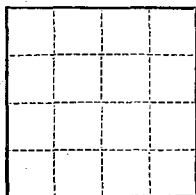
(SUBMIT IN TRIPLICATE)

Indian Agency Navajo

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee Tribal

Lease No. 14-20-603-353



SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....		SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF REDRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....		SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Cortez, Colorado October 30, 1958

Desert "A"

Well No. 21 is located 1980 ft. from N line and 660 ft. from W line of sec. 20

SW NW Sec. 20 41S 24E S.L.M.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Ratherford San Juan County Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the Ungraded ground ~~subsurface~~ above sea level 4777.46 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Drill 17-1/2" hole to approximately 160', set 160' of 13-3/8" conductor pipe and cement to surface. Drill 11" hole to approximately 1600', set 8-5/8" casing and cement to surface. Drill 7-7/8" hole to total depth of approximately 5800 ft., run 5-1/2" casing and cement with approximately 250 sx. cement. Complete in Paradox formation.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Phillips Petroleum Company

Address P.O. Box 548

Cortez, Colorado

By

C. M. Boles

Title District Superintendent.

Company PHILLIPS PETROLEUM COMPANY

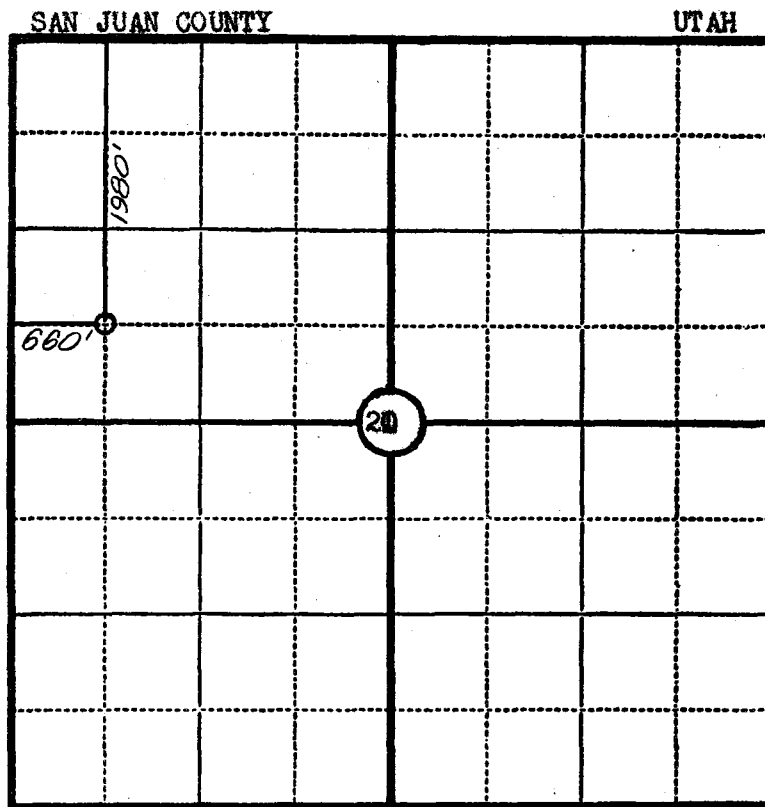
Lease DESERT "A"

Well No. 21

Sec. 20, T 41 SOUTH, R 24 EAST S.L.M.

Location 1980' FROM THE NORTH LINE AND 660' FROM THE WEST LINE.

Elevation 4797.46 UNGRADED GROUND



Scale—4 inches equal 1 mile.

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

Seal:

James P. Leese
Registered Land Surveyor.

JAMES P. LEESE

UTAH REG. NO. 1472

Surveyed 22 DECEMBER, 1957

SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.

October 31, 1958

Phillips Petroleum Company
P. O. Box 548
Cortez, Colorado

Attention: C. M. Boles, District Superintendent

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Desert A - 21, which is to be located 1980 feet from the north line and 660 feet from the west line of Section 20, Township 41 South, Range 24 East, S1E4M, San Juan County, Utah.

Please be advised that insofar as this office is concerned, approval to drill said well is hereby granted.

This approval terminates within 90 days if the above mentioned well is not spudded in within said period.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

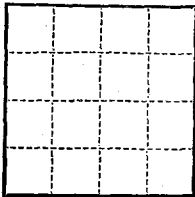
CLEON B. FEIGHT
SECRETARY

CBF:co

cc: Phil McGrath
USGS, Farmington,
New Mexico

3

(SUBMIT IN TRIPLICATE)

Indian Agency NavajoUNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYAllottee Tribal
Lease No. 14-20-603-353

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	X
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Cortez, Colorado Dec. 15, 1958

Desert "A"
Well No. 21 is located 1980 ft. from N line and 660 ft. from W line of sec. 20
SW NW Sec. 20 41S 24E S.L.M.
($\frac{1}{4}$ Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Ratherford San Juan County Utah
(Field) (County or Subdivision) (State or Territory)

ungraded groundThe elevation of the derrick floor above sea level is 4797.44 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Spudded 6:15 AM 11/15/58. Drilled 17-1/4" hole to 174'. Set and cemented 13-3/8" 27.1# casing at 174' with 175 sx regular cement, 2% calcium chloride. Pumped plug to 146' at 5 PM 11/15/58. Cement circulated. WOC 24 hrs Tested casing w/500# for 30 min. o.k.

Drilled 11" hole to 1539'. Set and cemented 8-5/8" 24# casing at 1539.23' RKB w/330 sx regular cement, 126 sx Diacel "D" 620# calcium chloride, 165# Floccs, 660# tuff plug, followed w/125 sx neat reg. cement on bottom. Pumped plug to 1512' at 5:10 AM 11/18/58. Cement circulated but dropped back. Cemented to surface down annulus with 115 sx regular cement. WOC 24 hrs. Tested casing with 750# for 30 minutes.o.k.

Drilled 7-7/8" hole to 5801' at 1:30 PM 12/6/58. Ran Schlumberger Micro caliper and Induction Electric logs to 5801'. Set and cemented 5-1/2" 14# casing at 5797.44' RKB w/132 sx regular cement, 100 sx Diacel "D", 496# calcium chloride. (cont'd on back)

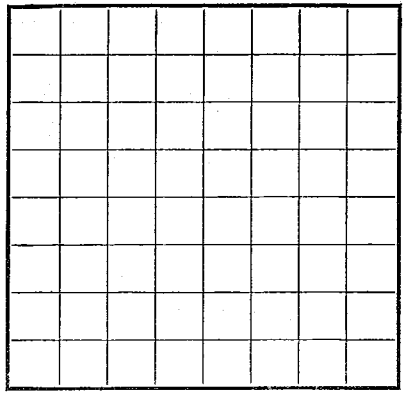
I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Phillips Petroleum CompanyCompany Box 548Address Cortez, ColoradoBy C. M. DolanTitle District Superintendent

Pumped plug to 5765' at 12:35 PM 12/7/58. WOC 24 hrs. Tested casing w/750# for 30 minutes - o.k.

DEC 17 1958

U. S. LAND OFFICE Navajo
SERIAL NUMBER 14-20-603-353
LEASE OR PERMIT TO PROSPECT tribal



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Phillips Petroleum Address Box 548, Cortez, Colorado
Lessor or Tract Desert "A" Field Katherford State Utah
Well No. 21 Sec. 20 T. 41S R. 24E Meridian SLM County San Juan
Location 1980 ft. XXA of N Line and 660 ft. E. of W Line of Sec. 20 Elevation 4812
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed [Signature]
Date January 20, 1959 Title District Superintendent

The summary on this page is for the condition of the well at above date.

Commenced drilling November 15, 19 58 Finished drilling December 7, 19 58

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 5570 to 5741 No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

Water in all sands from surface to 1509 and from 2665' to 2833'
No. 1, from _____ to _____ No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
13-3/8"	27.17	S&S J	Amco	162	Baker		5570	5582	Oil Prod.
8-5/8"	24.4	8 rd	J-55	1538	"		5591	5599	" "
5-1/2"	14.4	8 rd	J-55	5818	"		5605	5631	" "
							5639	5646	" "
							5654	5660	" "
							5677	5680	" "
							5690	5698	" "
							5708	5712	" "
							5731	5741	" "

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8"	174	175	Circ		
8-5/8"	1539	800 cu. ft.	Circ (115 ex added down annulus)		
5-1/2"	5797	550 cu. ft.	Hasliburton		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from 0 feet to 5798 feet, and from feet to feet

Cable tools were used from feet to feet, and from feet to feet

DATES

January 20, 1959 Put to producing December 13, 1958

The production for the first 24 hours was 1273 barrels of fluid of which 100% was oil; % emulsion; % water; and % sediment. Gravity, °Bé.

If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. 530-280

EMPLOYEES

Moran Bros, Inc., Driller, Driller

, Driller, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
1509	2390		Chinle
2390	2446		Shinarump
2446	2547		Loenkopi
2547	2665		Cutler - Hoskinini equivalent
2665	2833		Cutler - De Chelly Member
2833	4590		Cutler - Organ Rock Member
4590	5798		Honaker Trail
5410	5798		Paradox
5798	5758		ABTD Top Cement Plug

HISTORY OF OIL OR GAS WELL

16-48094-2 U. S. GOVERNMENT PRINTING OFFICE

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

Spudded 6:15 AM 11/15/58. Drilled 17-1/4" hole to 174'. Set and cemented 13-3/8" 27.1# casing at 174' with 175 sacks regular cement, 2% calcium chloride. Pumped plug to 146' at 5PM 11/15/58. Cement circulated. WOC 24 hours. Tested casing with 500# for 30 minutes -- tested o.k.

Drilled 11" hole to 1539'. Set and cemented 8-5/8" 24# casing at 1539.23' RKB with 330 sacks regular cement, 126 sacks Diacel "D", 620# calcium chloride, 165# flocele, 660# tuff plug, followed with 125 sacks regular cement on bottom. Pumped plug to 1512' at 5:10 AM 11/18/58. Cement circulated but dropped back. Cemented to surface down annulus with 115 sacks regular cement. WOC 24 hours. Tested casing with 750# for 30 minutes - tested o.k.

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Ran Lane Wells Gamma Ray Neutron Collar Locator log to 5759'. Perforated 5-1/2" casing with 84 shots (1/2" bullets) from 5570-82, 5591-99, 5605-31, 5639-46, 5654-60, 5677-80, 5690-98, 5708-12 and 5731-41, total 336 shots. Ran 2-7/8" OD BUE tubing and set at 5736.36' with free Baker BQJ Packer at 5442.65 ft. Western Acid Company displaced water with 120 barrels of oil. Spotted acid on formation, set packer and acidized with 8500 gallons 15% regular acid. Flushed with 35 barrels of oil. Maximum pressure 3200#, minimum pressure 2300#, average treating rate 6BPM, average flush rate 2.2 BPM. Bled to 800# in 3 minutes after pump shut down.

- 1 - B'Ville R&P
- 1 - Denver R&P
- 1 - C. M. Boles
- 1 - File

FINAL REPORT INDIVIDUAL WELL STATE

Lease Ratherford Unit Well No. 20-12 Authorization No. Expense

Summary of Work Performed:

June 4, 1973 - Acidized Desert Creek Zone I, II and III perforations from 5570-5741 OA with 10,800 gals 15% HCL Acid in 4 stages using 915 gals oil block with 2#/gal block agents (1/4# Wide Range, 1/2# Buttons, OS-90 and 1-1/4# Moth Balls per gal).

AVERAGE DAILY PRODUCTION				
	Field and Formation	Oil	Gas	Water
Before Work	Greater Aneth Paradox Desert Creek Zone I,II&III	24	NR	0
After Work	ditto	43	NR	0
Before Work				
After Work				

DATE P.T.D.

DAILY REPORT OF WORK PERFORMED

1973
JUNE
7
RATHERFORD UNIT NO. 20-12 PTD 5758. INITIAL REPORT. PREP TO ACIDIZE PERFS. 5570-5741 OA W/ 10,800 GALS. 15 PER CENT HCL ACID IN 4 STGS. MI AND RU R AND R WS UNIT 6/3/73. PLD. RODS AND TBG. RAN BKR. RETRIEVAMATIC PKR. ON 2-1/2" TBG, SET PKR AT 5535, BOTTOM TAIL PIPE AT 5694 FT. LOCATION 1980 FT. FNL, 660 FT. FWL, SEC. 20-41S-24E, SAN JUAN COUNTY, UTAH. LAST DAY PRODUCED 6/2/73. LAST WELL TEST 3/1/73, PMPD. 24 BO, 0 BW, 9-44" SPM, PMPG, FL 5421 FT..

8
RATHERFORD UNIT NO. 20-12 PTD 5758. PREP TO PULL PKR. AND RUN PMPG. EQUIP. RU DOWELL, FILLED ANNULUS W/ 76 BO, FILLED TBG. W/ 24 BO, PRESS. CSG. AND RAMS W/ 1000 LBS, TSTD TBG. W/ 4500 LBS. ACID. PERFS. 5570-5741 FT. OA W/ 10,800 GALS. 15 PER CENT REG. HCL ACID IN 4 STGS AS FOLLOWS--FIRST STAGE -- 14 BO PRE-FLUSH, 1400 GALS. ACID, 24 BO FLUSH, 4 BBLs. 2 LBS/GAL. OIL BLOCK, 10 BO SPACER. ACID IN AT 9 BPM AT 500 LBS, 100 LBS INC. WHEN BLOCK HIT FORM. SECOND STAGE -- 4800 GALS. ACID, 48 BO FLUSH, 24 BBLs. 2 LBS/GAL. OIL BLOCK, 12 BO SPACER. ACID IN AT 10 BPM AT 700 LBS. 700 LBS INC. WHEN BLOCK HIT FORM. THIRD STAGE -- 2600 GALS. ACID, 24 BO FLUSH, 12 BBLs. 2 LBS /GAL. OIL BLOCK. ACID IN AT 10.5 BPM AT 1400 LBS. 450 LBS INC. WHEN BLK HIT FORM. FOURTH STAGE -- 2000 GALS. ACID, 84 BO FLUSH. ACID IN AT 10 BPM AT 2000 LBS. ISIP 0 LBS. MAX. PRESS. 2000 LBS. AVG. INJ. RATE 9.73 BPM. USED 1/4 LB WIDE RANGE J203, 1/2 LB UNIBUTTON J202, AND 1-1/4 LB J116 MOTHBALLS PER GAL. OF OIL IN OIL PLUGS. USED 2 GALS. A170 INHIBITOR AND W 35 SLUDGING AGENT PER 1000 GALS. ACID. JOB COMPL. 11/30 A.M. 6/4/73. SWBD 6 HRS, REC. 40 BLO, 3 BAW. 136 BLO AND 256 BAW TO REC..

9-11
RATHERFORD UNIT NO. 20-12 PTD 5758. PMPG. PLD. TBG. AND PKR, RAN PMPG. EQUIP. TBG. ANCHOR AT 5561 FT., TBG. INTANKE 5563 FT. 1-3/4" PUMP AT 5560 FT. STARTED PMPG ON TEST. RELEASED W.S. UNIT 6/5/73..

62
RATHERFORD UNIT NO. 20-12 PTD 5758 CONT. TST. PMPD 24 HRS. 75 BLO, 110 BAW. 12-2-74-1-3/4 61 BLO AND 146 BAW LEFT TO RECOVER..

July 27, 1973

Date Prepared

Original Signed By

F. C. MORGAN

District Approval

DAILY REPORT DETAILED

LEASE Ratherford Unit

WELL NO. 20-12

SHEET NO. 2

DATE TOTAL
NATURE OF WORK DEPTH
PERFORMED

JUNE

13

RATHERFORD UNIT NO. 20-12 PTD 5758. CONT. TST. PLD TBG AND RODS AND RERAN TBG W/ TAIL PIPE TO BTM PERF. RAN RODS AND PMP. WELL GASSING BUT COULD NOT PUMP. ATTEMPTED TO RUN SONOLOG. UNABLE TO OBTAIN READING. FILLED TBG W/ 5 BBLS. WTR AND DUMPED 65 BBLS WTR IN ANNULUS. WELL STARTED PUMPING. 61 BLO AND 216 BAW LEFT TO RECOVER..

14

RATHERFORD UNIT NO. 20-12 PTD 5758 CONT. TST. PMPED 24 HRS. 15 BLO, 59 BLW. 12-74-1-3/4 46 BLO AND 157 BLW LEFT TO RECOVER..

15

RATHERFORD UNIT NO. 20-12 PTD 5758. CONT. TST. PMPD 24 HRS. 46 BLO, 18 BO, NO WTR. 12-2-74-1-3/4. 157 BLW LEFT TO RECOVER..

16-18

RATHERFORD UNIT NO. 20-12 PTD 5758 . CONT. TST. PMPD 24 HRS. 6/15/73 93 BO, 8 BLW, 12-2-74-1-3/4 FL 5486. 149 BLW LEFT TO RECOVER. 6/16/73 PMPD 24 HRS. 45 BO, 2 BLW, 6/17/73, PMPD 55 BO, 2 BLW, 24 HRS. 6/18/73 PMPD 24 HRS. 42 BO, 2 BLW 143 BLW LEFT TO RECOVER. OIL WELL PRODUCING FROM PARADOX FORMATION DESERT CREEK ZONE, GREATER ANETH FIELD, SAN JUAN COUNTY, UTAH. DROP FROM REPORT..

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE
(Other instructions reverse side)Form approved.
Budget Bureau No. 42-R1424

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-353

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

SN-I-4192

8. FARM OR LEASE NAME

Rutherford Unit

9. WELL NO.

20-12

10. FIELD AND POOL, OR WILDCAT

Greater Aneth

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 20-T41S-R24E

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

1.

OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

Phillips Petroleum Company

3. ADDRESS OF OPERATOR

P. O. Box 2920, Casper, Wyoming 82601

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

1980' FWL & 660' FWL, Sec. 20

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

4814' RKB

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐
☐
☐
☐
☐

PULL OR ALTER CASING

☐
☐
☐
☐
☐

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐
☐
☐
☒

REPAIRING WELL

☐
☐
☐
☐
☐

FRACTURE TREATMENT

ALTERING CASING

~~ACIDIZING~~ ACIDIZING

ABANDONMENT*

(Other)

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

SEE ATTACHED FOR DETAILS OF JOB

18. I hereby certify that the foregoing is true and correct

SIGNED

Original Signed By:
F. C. Morgan

TITLE Production Superintendent

DATE July 27, 1973

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

3 - USGS, Farmington, New Mexico

2 - Utah O&G CC, Salt Lake City, Utah

1 - Superior Oil Co., Cortez, Colo.

1 - File

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ gas ☐ other ☐ Lease Road

2. NAME OF OPERATOR

Phillips Petroleum Company

3. ADDRESS OF OPERATOR

P. O. Box 2920 Casper, WY 82602

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE:

AT TOP PROD. INTERVAL:

AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

CHANGE ZONES ☐

ABANDON* ☐

(other) road construction ☒

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Approval is requested, contingent on securing Archaeological clearance and residents approval, to construct an access road as shown on the attached Plat A-1A. Approximately 660' of new lease road will be built. The road construction will be of native soil, approximately 20' wide.

RECEIVED
NOV 15 1983

DIVISION OF
OIL, GAS & MINING

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED

A. E. Stuart

TITLE

Area Manager

DATE

November 10, 1983

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

5- BLM Farmington

✓ Utah O&G CC SLC, Utah

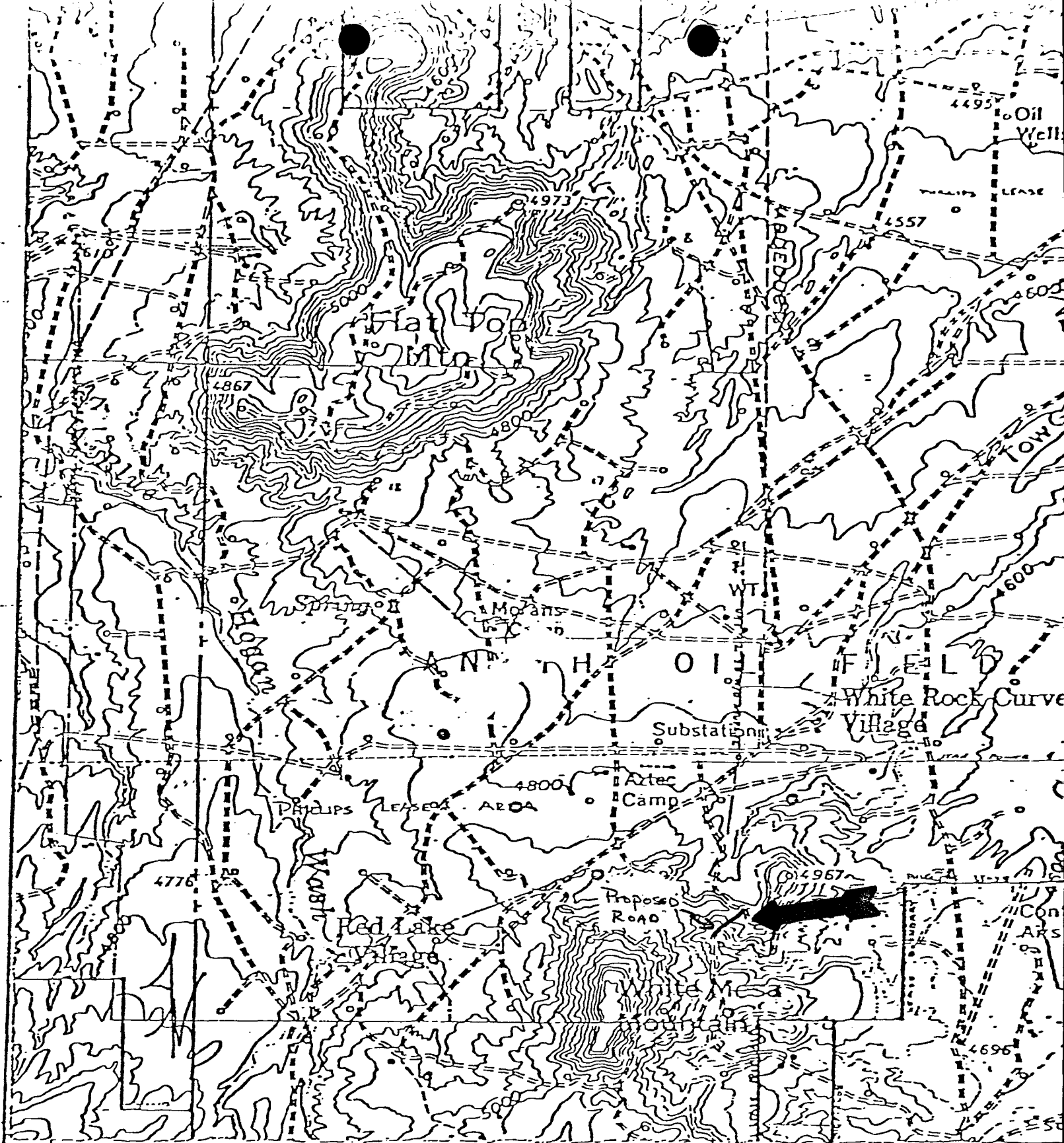
1- J. L. Whitmire (r) T.C. Doughty



*See Instructions on Reverse Side

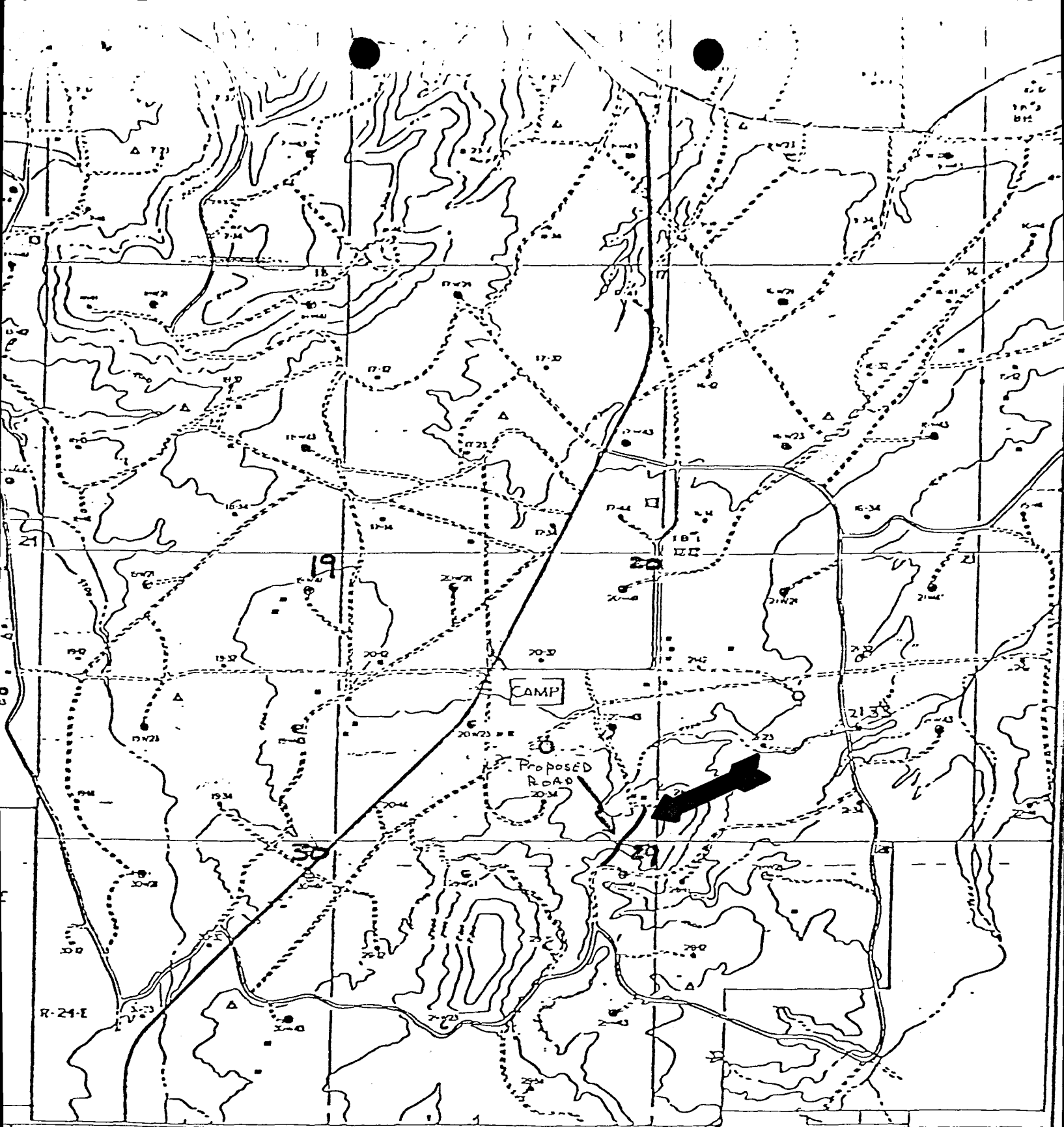
1- G. W. Berk

1- T. M. Isaacs

1- File



NO.	REVISION	BY	DATE	CHKD	APP'D
FOR BIDS	<div>  PHILLIPS PETROLEUM COMPANY  </div>			JA NO.	FILE CODE
FOR APPR				AFE NO.	SCALE
FOR CONST	RATHERFORD UNIT PROPOSED ROAD T4IS-R24E SAN JUAN CO. UTAH			24"=1MI	
DRAWN				DWG NO.	
CHECKED				SH NO.	



REVISION		BY	DATE	CHKD	APP'D
BIDS	PHILLIPS PETROLEUM COMPANY		JA NO.	FILE CODE	
APPR	BARTLESVILLE, OKLAHOMA		AFE NO.	SCALE 2 1/4" = 1 mi	
CONST	RATHERFORD UNIT PROPOSED ROAD		DWG NO.	SH NO.	
OWN	CJW	T41S-R24E	A-1A		
SKED	SAN JUAN CO., UTAH				

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL <input checked="" type="checkbox"/> WELL GAS <input type="checkbox"/> WELL OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. 96-004192 ✓	
2. NAME OF OPERATOR Phillips Oil Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo	
3. ADDRESS OF OPERATOR P. O. Box 2920, Casper, WY 82602		7. UNIT AGREEMENT NAME Ratherford Unit ✓	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface See Attached		8. FARM OR LEASE NAME	
14. PERMIT NO. See Attached		9. WELL NO.	
15. ELEVATIONS (Show whether DF, RT, OR, etc.)		10. FIELD AND POOL, OR WILDCAT N/A	
		11. SEC., T., R., M., OR BLK. AND SECTY OR AREA See Attached	
		12. COUNTY OR PARISH San Juan	13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

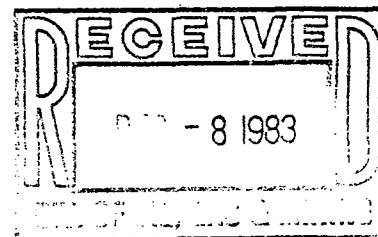
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion or Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

To show change of Operator only. Phillips Oil Company assumed operations effective December 1, 1983 from Phillips Petroleum Company. See attached for list of wells.



Org. & 3-BLM

1-The Navajo Nation
1-Mary Wiley Black
1-Lawrence E. Brock
1-Cheveron USA
1-Ralph Fixel
1-Royal Hogan
1-W. O. Keller
1-Dee Kelly Corp.

1-Robert Klabzuba
1-Micheal J. Moncrief
1-Richard B. Moncrief
1-Lee W. Moncrief
1-Mary H. Morgan
1-W. A. Moncrief
1-W. A. Moncrief, Jr.
1-L. F. Peterson

1-Shell Oil Co.
1-Southland Royalty Co.
1-Superior Oil Co.
1-Leroy Shave
1-Texaco, Inc.
1-Wade Wiley, Jr.
1-Edwin W. Word, Jr.
1-File

18. I hereby certify that the foregoing is true and correct

SIGNED A. E. Stuart TITLE Area Manager

DATE 12/6/83

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

*See Instructions on Reverse Side

WELL NO.WELL LOCATIONAPI NO.STATUS

E14-12	SW NW Sec.14-T41S-R24E	43-037-15998	Act.
E14-13	NW SW Sec.14-T41S-R24E	43-037-15999	SI
10-44	SE SE Sec.10-T41S-R24E	43-037-30451	Act.
15-12	SW NW Sec.15-T41S-R24E	43-037-15715	Act.
15-14	SW SW Sec.15-T41S-R24E	43-037-15716	SI
15-22	SE NW Sec.15-T41S-R24E	43-037-30449	Act.
15-32	SW NE Sec.15-T41S-R24E	43-037-15717	Act.
15-33	NW SE Sec.15-T41S-R24E	43-037-15718	SI
15-41	NE NE Sec.15-T41S-R24E	43-037-15719	Act.
15-42	SE NE Sec.15-T41S-R24E	43-037-3-448	SI
16-12	SW NW Sec.16-T41S-R24E	43-037-15720	Act.
16-14	SW SW Sec.16-T41S-R24E	43-037-15721	Act.
16-32	SW NE Sec.16-T41S-R24E	43-037-15723	Act.
16-34	SW SE Sec.16-T41S-R24E	43-037-15724	SI
16-41	NE NE Sec.16-T41S-R24E	43-037-15725	Act.
17-12	SW NW Sec.17-T41S-R24E	43-037-15726	Act.
17-14	SW SW Sec.17-T41S-R24E	43-037-15727	Act.
17-23	NE SW Sec.17-T41S-R24E	43-037-15728	Act.
17-32	SW NE Sec.17-T41S-R24E	43-037-15729	Act.
17-34	SW SE Sec.17-T41S-R24E	43-037-15730	Act.
17-41	NE NE Sec.17-T41S-R24E	43-037-15731	Act.
17-44	SE SE Sec.17-T41S-R24E	43-037-15732	Act.
18-11	NW NW Sec.18-T41S-R24E	43-037-15733	SI
18-13	NW SW Sec.18-T41S-R24E	43-037-15734	Act.
18-14	SW SW Sec.18-T41S-R24E	43-037-15735	Act.
18-23	NE SW Sec.18-T41S-R24E	43-037-30244	Act.
18-32	SW NE Sec.18-T41S-R24E	43-037-15736	Act.
18-34	SW SE Sec.18-T41S-R24E	43-037-15737	Act.
19-12	SW NW Sec.19-T41S-R24E	43-037-15739	Act.
19-14	SW SW Sec.19-T41S-R24E	43-037-15740	SI
19-32	SW NE Sec.19-T41S-R24E	43-037-15743	Act.
19-34	SW SE Sec.19-T41S-R24E	43-037-15744	Act.
20-12	SW NW Sec.20-T41S-R24E	43-037-15746	Act.
20-14	SW SW Sec.20-T41S-R24E	43-037-15747	Act.
20-32	SW NE Sec.20-T41S-R24E	43-037-15749	Act.
20-34	SW SE Sec.20-T41S-R24E	43-037-15750	Act.
21-12	SW NW Sec.21-T41S-R24E	43-037-15752	Act.
21-14	SW SW Sec.21-T41S-R24E	43-037-15753	Act.
21-23	NE SW Sec.21-T41S-R24E	43-037-13754	Act.
21-32	SW NE Sec.21-T41S-R24E	43-037-15755	Act.
21-33	NW SE Sec.21-T41S-R24E	43-037-30447	SI
21-34	SW SE Sec.21-T41S-R24E	43-037-15756	Act.
22-12	SW NW Sec.22-T41S-R24E	43-037-15757	SI
22-14	SW SW Sec.22-T41S-R24E	43-037-15758	SI
24-42	SE NE Sec.24-T41S-R24E	43-037-15863	Act.
28-11	NW NW Sec.28-T41S-R24E	43-037-30446	Act.
28-12	SW NW Sec.28-T41S-R24E	43-037-15336	Act.
29-12	SW NW Sec.29-T41S-R24E	43-037-15337	Act.
29-32	SW NE Sec.29-T41S-R24E	43-037-15339	Act.

Mobil Oil Corporation

P.O. BOX 5444
DENVER, COLORADO 80217-5444

May 14, 1986

Utah Board of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Attn: R. J. Firth
Associate Director

RECEIVED
MAY 16 1986

DIVISION OF
OIL, GAS & MINING

SUPERIOR OIL COMPANY MERGER

Dear Mr. Firth:

On September 20, 1984, The Superior Oil Company (Superior) became a wholly owned subsidiary of Mobil Corporation. Since January 1, 1985, Mobil Oil Corporation (MOC), another wholly owned subsidiary of Mobil Corporation, has acted as agent for Superior and has operated the Superior-owned properties.

On April 24, 1986, Superior was merged with Mobil Exploration and Producing North America Inc. (MEPNA), which is also a wholly owned subsidiary of Mobil Corporation. MEPNA is the surviving company of the merger.

This letter is to advise you that all properties held in the name of Superior will now be held in the name of MEPNA; and that these properties will continue to be operated by MOC as agent for MEPNA.

Attached is a listing of all wells and a separate listing of injection-disposal wells, Designation of Agent and an organization chart illustrating the relationships of the various companies. If you have any questions or require additional documentation of this merger, please feel free to contact me at the above address or (303) 298-2577.

Very truly yours,



CNE/rd
CNE8661

R. D. Baker
Environmental Regulatory Manager

STATE OF UTAH
DIVISION OF OIL, GAS AND MININGPage 1 of 10

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

P J KONKEL
PHILLIPS PETROLEUM COMPANY
5525 HWY 64 NBU 3004
FARMINGTON NM 87401

RECEIVED

AUG 16 1993

ACCOUNT NUMBER: N0772

REPORT PERIOD (MONTH/YEAR):

6 / 93

DIVISION OF
OIL, GAS & MININGAMENDED REPORT ☐ (Highlight Changes)

Well Name					Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location						OIL(BBL)	GAS(MCF)	WATER(BBL)
#21-23										
4303713754	06280	41S	24E	21	DSCR	POW	29	1374	883	58
#3-44										
4303715031	06280	41S	24E	3	DSCR	POW	30	111	94	2905
#3-14										
4303715124	06280	41S	24E	3	DSCR	POW	30	67	23	302
#9-12										
4303715126	06280	41S	24E	9	DSCR	POW	30	112	654	17363
#9-14										
4303715127	06280	41S	24E	9	DSCR	POW	30	201	315	423
#28-12										
4303715336	06280	41S	24E	28	PRDX	POW	29	112	47	2428
#29-12										
4303715337	06280	41S	24E	29	PRDX	POW	29	56	0	672
#29-32										
4303715339	06280	41S	24E	29	DSCR	POW	29	1402	287	2224
#29-34										
4303715340	06280	41S	24E	29	DSCR	POW	29	757	48	0
#30-32										
4303715342	06280	41S	24E	30	DSCR	POW	29	588	1049	3744
#3-12										
4303715620	06280	41S	24E	3	DSCR	POW	30	268	11	363
#9-34										
4303715711	06280	41S	24E	9	DSCR	POW	30	45	46	9800
#10-12										
4303715712	06280	41S	24E	10	DSCR	POW	30	45	23	1088
TOTALS								5138	3480	41370

COMMENTS: Effective July 1, 1993, Phillips Petroleum Company has sold its interest in the
Ratherford Unit to Mobil Exploration and Producing U.S., Incorporated, P. O. Box
633, Midland, Texas 79702. Mobil assumed operations on July 1, 1993.

I hereby certify that this report is true and complete to the best of my knowledge.

Date: 8/11/93

Name and Signature: PAT KONKEL

Pat Konkell

Telephone Number: 505 599-3452

STATE OF UTAH
DIVISION OF OIL, GAS AND MININGPage 1 of 1

MONTHLY OIL AND GAS DISPOSITION REPORT

OPERATOR NAME AND ADDRESS:

L B Sheffield~~BRIAN BERRY~~~~M E P N A MOBIL~~~~POB 219031 1807A RENTWY P.O. DRAWER G~~~~DALLAS TX 75221-9031~~ *CORTEZ, CO. 81321*UTAH ACCOUNT NUMBER: N7370REPORT PERIOD (MONTH/YEAR): 7 / 93AMENDED REPORT ☐ (Highlight Changes)*X931006 updated.
See*

ENTITY NUMBER	PRODUCT	GRAVITY	BEGINNING INVENTORY	VOLUME PRODUCED	DISPOSITIONS				ENDING INVENTORY
		BTU			TRANSPORTED	USED ON SITE	FLARED/VENTED	OTHER	
05980	OIL			177609	177609	0			
	GAS			72101	66216	5885			
11174	OIL								
	GAS								
	OIL								
	GAS								
	OIL								
	GAS								
	OIL								
	GAS								
	OIL								
	GAS								
	OIL								
	GAS								
	OIL								
	GAS								
TOTALS				249710	243825	5885			

COMMENTS:

*PLEASE NOTE ADDRESS change. Mobil ~~also~~ PRODUCTION Reports
will be compiled and sent from the Cortez, Co. office
IN THE FUTURE.*

I hereby certify that this report is true and complete to the best of my knowledge.

Name and Signature:

Lwell B Sheffield

Date:

9/5/93

Telephone Number:

*303.565.2212
244.658.2578*

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

<p>SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)</p>		5. LEASE DESIGNATION & SERIAL NO.
<p>1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER</p>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME NAVAJO TRIBAL
2. NAME OF OPERATOR MOBIL OIL CORPORATION		7. UNIT AGREEMENT NAME RATHERFORD UNIT
3. ADDRESS OF OPERATOR P. O. BOX 633 MIDLAND, TX 79702		8. FARM OR LEASE NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface At proposed prod. zone		9. WELL NO.
10. FIELD AND POOL OR WILDCAT GREATER ANETH		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
14. API NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.)	12. COUNTY SAN JUAN
		13. STATE UTAH

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>CHANGE OF OPERATOR</u> <input type="checkbox"/>	
(Other) <input type="checkbox"/>		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	
APPROX. DATE WORK WILL START _____		DATE OF COMPLETION _____	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

* Must be accompanied by a cement verification report.

AS OF JULY1, 1993, MOBIL OIL CORPORATION IS THE OPERATOR OF THE RATHERFORD UNIT.
ATTACHED ARE THE INDIVIDUAL WELLS.

18. I hereby certify that the foregoing is true and correct

SIGNED Shirley Todd TITLE ENV. & REG TECHNICIAN DATE 9-8-93

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

See Instructions On Reverse Side

Sept 29, 1993

TO: Lisha Cordova - Utah Mining
Oil & Gas

FROM: Janice Easley
BLM Farmington, NM
505 599-6355

Here is copy of Rafterford Unit
Successor Operator,

4 pages including this one.

File: Ratherford Unit (GC)

RECEIVED
BLM

SEP 27 AM 11:44

070 FARMINGTON, NM

Navajo Area Office
P. O. Box 1060
Gallup, New Mexico 87305-1060

ARES/543

JUL 26 1993

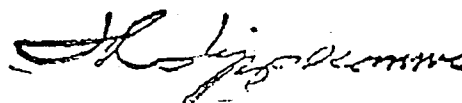
Mr. G. D. Cox
Mobil Exploration and
Producing North America, Inc.
P. O. Box 633
Midland, Texas 79702

Dear Mr. Cox:

Enclosed for your information and use is the approved Designation of Operator between the Phillips Petroleum Company and Mobil Exploration and Producing North America, Inc. for the Ratherford Unit.

Please note that all other concerned parties will be furnished their copy of the approved document.

Sincerely,



ACTING Area Director

Enclosure

cc: Bureau of Land Management, Farmington District Office w/enc.
TNN, Director, Minerals Department w/enc.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF INDIAN AFFAIRS

DESIGNATION OF OPERATOR

RECEIVED
BLM

Phillips Petroleum Company is, on the records of the Bureau of Indian Affairs, operator of the Ratherford Unit, 62 JUL 27 1993

AREA OFFICE: Window Rock, Arizona
LEASE NO: Attached hereto as Exhibit "A"

070 FARMINGTON, NM

and, pursuant to the terms of the Ratherford Unit Agreement, is resigning as Unit Operator effective July 1, 1993, and hereby designates

NAME: Mobil Exploration and Producing North America Inc., duly elected pursuant to the terms of the Ratherford Unit Agreement,

ADDRESS: P. O. Box 633, Midland, Texas 79702
Attn: G. D. Cox

as Operator and local agent, with full authority to act on behalf of the Ratherford Unit lessees in complying with the terms of all leases and regulations applicable thereto and on whom the authorized officer may serve written or oral instructions in securing compliance with the Operating Regulations (43 CFR 3160 and 25 CFR 211 and 212) with respect to (described acreage to which this designation is applicable):

Attached hereto as Exhibit "A"

Bond coverage under 25 CFR 211, 212 or 225 for lease activities conducted by the above named designated operator is under Bond Number 05202782 (attach copy). Evidence of bonding is required prior to the commencement of operations.

It is understood that this designation of operator does not relieve any lessee of responsibility for compliance with the terms of the leases and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the leases.

In case of default on the part of the designated operator, the lessees will make full and prompt compliance with all regulations, lease terms, stipulations, or orders of the Secretary of the Interior or his representative.

Attached is the appropriate documentation relevant to this document.

The designated operator agrees to promptly notify the authorized officer of any change in the operatorship of said Ratherford Unit.

Phillips Petroleum Company

June 17, 1993

By: M. B. [Signature]
Attorney-in-Fact

Mobil Exploration and Producing
North America Inc.

June 11, 1993

By: B. D. Martiny
Attorney-in-Fact B.D. MARTINY

[Signature] ACTING AREA DIRECTOR
APPROVED BY TITLE DATE
7/9/93

APPROVED PURSUANT, TO SECRETARIAL REDELEGATION ORDER 209 DM 8 AND 230 DM 3.

This form does not constitute an information collection as defined by 44 U.S.C. 3502 and therefore does not require OMB approval.

EXHIBIT "A"

ATTACHED TO AND MADE A PART OF DESIGNATION OF SUCCESSOR OPERATOR, RATHERFORD UNIT

EXHIBIT "C"

Revised as of September 29, 1992
SCHEDULE OF TRACT PERCENTAGE PARTICIPATION

<u>Tract Number</u>	<u>Description of Land</u>	<u>Serial Number and Effective Date of Lease</u>	<u>Tract Percentage Participation</u>
1	S/2 Sec. 1, E/2 SE/4 Sec. 2, E/4 Sec. 11, and all of Sec. 12, T-41-S, R-23-E, S.L.M. San Juan County, Utah	14-20-603-246-A Oct. 5, 1953	11.0652565
2	SE/4 and W/2 SW/4 Sec. 5, the irregular SW/4 Sec. 6, and all of Sec. 7 and 8, T-41-S, R-24-E, San Juan County, Utah	14-20-603-368 Oct. 26, 1953	14.4159942
3	SW/4 of Sec. 4, T-41-S, R-24-E, San Juan County, Utah	14-20-603-5446 Sept. 1, 1959	.5763826
4	SE/4 Sec. 4, and NE/4 Sec. 9, T-41-S, R-24-E, San Juan County, Utah	14-20-603-4035 March 3, 1958	1.2587779
5	SW/4 of Sec. 3, T-41-S, R-24-E, S.L.M., San Juan County, Utah	14-20-603-5445 Sept. 3, 1959	.4667669
6	NW/4 of Sec. 9, T-41-S, R-24-E, S.L.M., San Juan County, Utah	14-20-603-5045 Feb. 4, 1959	1.0187043
7	NW/4, W/2 NE/4, and SW/4 Sec. 10, SE/4 Sec. 9, T-41-S, R-24-E, San Juan County, Utah	14-20-603-4043 Feb. 18, 1958	3.5097575
8	SW/4 Sec. 9, T-41-S, R-24-E, S.L.M. San Juan County, Utah	14-20-603-5046 Feb. 4, 1959	1.1141679
9	SE/4 Sec. 10 and S/2 SW/4 Sec. 11 T-41-S, R-24-E, San Juan County, Utah	14-20-603-4037 Feb. 14, 1958	2.6186804
10	All of Sec. 13, E/2 Sec. 14, and E/2 SE/4 and N/2 Sec. 24, T-41-S, R-23-E, S.L.M., San Juan County, Utah	14-20-603-247-A Oct. 5, 1953	10.3108861
11	Sections 17, 18, 19 and 20, T-41-S, R-24-E, San Juan County Utah	14-20-603-353 Oct. 27, 1953	27.3389265
12	Sections 15, 16, 21, and NW/4, and W/2 SW/4 Sec. 22, T-41-S, R-24-E, San Juan County, Utah	14-20-603-355 Oct. 27, 1953	14.2819339
13	W/2 Section 14, T-41-S, R-24-E, San Juan County, Utah	14-20-603-370 Oct. 26, 1953	1.8500847
14	N/2 and SE/4, and E/2 SW/4 Sec. 29, NE/4 and E/2 SE/4 and E/2 W/2 irregular Sec. 30, and E/2 NE/4 Sec. 32, T-41-S, R-24-E, San Juan County, Utah	14-20-603-407 Dec. 10, 1953	6.9924969
15	NW/4 Sec. 28, T-41-S, R24-E San Juan County, Utah	14-20-603-409 Dec. 10, 1953	.9416393
16	SE/4 Sec. 3, T-41-S, R-24-E San Juan County, Utah	14-20-0603-6504 July 11, 1961	.5750254
17	NE/4 Sec. 3, T-41-S, R-24-E San Juan County, Utah	14-20-0603-6505 July 11, 1961	.5449292
18	NW/4 Sec. 3, T-41-S, R-24-E San Juan County, Utah	14-20-0603-6506 July 11, 1961	.5482788
19	NE/4 Sec. 4, T-41-S, R24-E San Juan County, Utah	14-20-0603-7171 June 11, 1962	.4720628
20	E/2 NW/4 Sec. 4, T-41-S, R-24-E San Juan County, Utah	14-20-0603-7172 June 11, 1962	.0992482

PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

☐ Well File _____☐ Suspense☒ Other

(Return Date) _____

OPERATOR CHANGE

(To - Initials) _____

(Location) Sec _____ Twp _____ Rng _____

(API No.) _____

1. Date of Phone Call: 10-6-93 : Time: 9:302. DOGM Employee (name) L. CORDOVA (Initiated Call ☒
Talked to:Name GLEN COX (Initiated Call ☐ - Phone No. (915) 688-2114of (Company/Organization) MOBIL3. Topic of Conversation: OPERATOR CHANGE FROM PHILLIPS TO MOBIL "RATHERFORD UNIT".
(NEED TO CONFIRM HOW OPERATOR WANTS THE WELLS SET UP - MEPNA AS PER BIA APPROVAL
OR MOBIL OIL CORPORATION AS PER SUNDRY DATED 9-8-93?)4. Highlights of Conversation: _____
MR. COX CONFIRMED THAT THE WELLS SHOULD BE SET UNDER ACCOUNT N7370/MEPNA AS
PER BIA APPROVAL, ALSO CONFIRMED THAT PRODUCTION & DISPOSITION REPORTS WILL NOW
BE HANDLED OUT OF THEIR CORTEZ OFFICE RATHER THAN DALLAS.

MEPNA-

PO DRAWER G

CORTEZ, CO 81321

(303)565-2212

*ADDRESS CHANGE AFFECTS ALL WELLS CURRENTLY OPERATED BY MEPNA, CURRENTLY
REPORTED OUT OF DALLAS (MCELMO CREEK).

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:

1	VLC/47-93
2	DP/58-47-93
3	VLC
4	RJF
5	DP
6	PL

Attach all documentation received by the division regarding this change.
 Initial each listed item when completed. Write N/A if item is not applicable.

- ☒ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ☐ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 7-1-93)

TO (new operator) M E P N A
 (address) PO DRAWER G
CORTEZ, CO 81321
GLEN COX (915) 688-2114
 phone (303) 565-2212
 account no. N7370

FROM (former operator) PHILLIPS PETROLEUM COMPANY
 (address) 5525 HWY 64 NBU 3004
FARMINGTON, NM 87401
PAT KONKEL
 phone (505) 599-3452
 account no. N0772(A)

Well(s) (attach additional page if needed):

***RATHERFORD UNIT (NAVAJO)**

Name: **SEE ATTACHED**	API: <u>43-03715746</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- Sec 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (Reg. 8-20-93) (6/93 Prod. Rpt. 8-16-93)
- Sec 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). (Reg. 8-31-93) (Rec'd 9-14-93)
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) ____ If yes, show company file number: _____.
- Sec 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
- Sec 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (O&G wells 10-6-93) (Wiw's 10-26-93)
- Sec 6. Cardex file has been updated for each well listed above. (O&G wells 10-6-93) (Wiw's 10-26-93)
- Sec 7. Well file labels have been updated for each well listed above. (O&G wells 10-6-93) (Wiw's 10-26-93)
- Sec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (10-6-93)
- Sec 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- Yes 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

- Yes 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- N/A 2. A copy of this form has been placed in the new and former operators' bond files.
3. The former operator has requested a release of liability from their bond (yes/no) . Today's date 19 . If yes, division response was made by letter dated 19 .

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated 19 , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- N/A 2. Copies of documents have been sent to State Lands for changes involving State leases.

FILMING

1. All attachments to this form have been microfilmed. Date: 11/17 1993.

FILING

- Yes 1. Copies of all attachments to this form have been filed in each well file.
- Yes 2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

931006 BIA/Btm Approved 7-9-93.

✓ 19W-21	43-037-15741	14-20-603-353	SEC. 19, T41S, R24E	NE/NW 660' FNL 1860' FWL
✓ 19-22	43-037-31046	14-20-603-353	SEC. 19, T41S, R24E	SE/NW 1840' FNL; 1980' FWL
✓ 19W-23	43-037-15742	14-20-603-353	SEC. 19, T41S, R24E	NE/SW 2080' FSL; 1860' FWL
✓ 19-31	43-037-31047	14-20-603-353	SEC. 19, T41S, R24E	NW/NE 510' FNL; 1980' FEL
✓ 19-32	43-037-15743	14-20-603-353	SEC. 19, T41S, R24E	SW/NE 1980' FNL; 1980' FEL
✓ 19-33	43-037-31048	14-20-603-353	SEC. 19, T41S, R24E	NW/SE 1980' FSL; 1980' FEL
✓ 19-34	43-037-15744	14-20-603-353	SEC. 19, T41S, R24E	SW/SE 660' FSL; 1980' FEL
✓ 19W-41	43-037-15745	14-20-603-353	SEC. 19, T41S, R24E	NE/NE 660' FNL; 660' FEL
✓ 19-42	43-037-30916	14-20-603-353	SEC. 19, T41S, R24E	SE/NE 1880' FNL, 660' FEL
✓ 19W-43	43-037-16420	14-20-603-353	SEC. 19, T41S, R24E	NE/SE 1980' FSL; 760' FEL
✓ 19-44	43-037-31081	14-20-603-353	SEC. 19, T41S, R24E	SE/SE 660' FSL; 660' FEL
✓ 19-97	43-037-31596	14-20-603-353	SEC. 19, T41S, R24E	2562' FNL, 30' FEL
✓ 20-11	43-037-31049	14-20-603-353	SEC. 20, T41S, R24E	NW/NW 500' FNL; 660' FWL
✓ 20-12	43-037-15746	14-20-603-353	SEC. 20, T41S, R24E	1980' FNL, 660' FWL
✓ 20-13	43-037-30917	14-20-603-353	SEC. 20, T41S, R24E	NW/SW 2140' FSL, 500' FWL
✓ 20-14	43-037-15747	14-20-603-353	SEC. 20, T41S, R24E	660' FSL; 660' FWL
✓ 20W-21	43-037-16423	14-20-603-353	SEC. 20, T41S, R24E	660' FNL; 1880' FWL
✓ 20-22	43-037-30930	14-20-603-353	SEC. 20, T41S, R24E	SE/NW 2020' FNL; 2090' FWL
✓ 20W-23	43-037-15748	14-20-603-353	SEC. 20, T41S, R24E	NW/SW 2080; 2120' FWL
✓ 20-24	43-037-30918	14-20-603-353	SEC. 20, T41S, R24E	SE/SW 820' FSL; 1820' FWL
✓ 20-31	43-037-31050	14-20-603-353	SEC. 20, T41S, R24E	NW/NE 660' FNL; 1880' FEL
✓ 20-32	43-037-15749	14-20-603-353	SEC. 20, T41S, R24E	SW/NE 1980' FNL, 1980' FEL
✓ 20-33	43-037-30931	14-20-603-353	SEC. 20, T41S, R24E	NW/SE 1910' FSL; 2140' FEL
✓ 20-34	43-037-15750	14-20-603-353	SEC. 20, T41S, R24E	660' FSL; 1850' FEL
✓ 20W-41	43-037-15751	14-20-603-353	SEC. 20, T41S, R24E	NE/NE 660' FNL; 660' FEL
✓ 20-42	43-037-31051	14-20-603-353	SEC. 20, T41S, R24E	SE/NE 1980' FNL; 660' FEL
✓ 20W-43	43-037-16424	14-20-603-353	SEC. 20, T41S, R24E	2070' FSL; 810' FEL
✓ 20-44	43-037-30915	14-20-603-353	SEC. 20, T41S, R24E	SE/SE 620' FSL; 760' FEL
✓ 20-66	43-037-31592	14-20-603-353	SEC. 20, T41S, R24E	SW/NW 1221' FWL; 1369' FNL
✓ 21-11	43-037-31052	14-20-603-355	SEC. 21, T41S, R24E	NW/NW 660' FNL; 660' FWL
✓ 21-12	43-037-15752	14-20-603-355	SEC. 21, T41S, R24E	2080' FNL; 660' FWL
✓ 21-13	43-037-30921	14-20-603-355	SEC. 21, T41S, R24E	NW/SW 2030' FSL; 515' FWL
✓ 21-14	43-037-15753	14-20-603-355	SEC. 21, T41S, R24E	SW/SW 660' FSL; 460' FWL
✓ 21W-21	43-037-16425	14-20-603-355	SEC. 21, T41S, R24E	NE/NW 660' FNL; 2030' FWL
✓ 21-32	43-037-15755	14-20-603-355	SEC. 21, T41S, R24E	SW/NE 1880' FNL; 1980' FEL
✓ 21-33	NA	14-20-603-355	SEC. 21, T41S, R24E	2000' FSL; 1860' FEL
✓ 21-34	43-037-15756	14-20-603-355	SEC. 21, T41S, R24E	SW/SE 660' FSL; 1980' FEL
✓ 21W-41	43-037-16426	14-20-603-355	SEC. 21, T41S, R24E	660' FNL; 810' FEL
✓ 21W-43	43-037-16427	14-20-603-355	SEC. 21, T41S, R24E	NE/NE 1980' FSL; 660' FEL
✓ 24-11	43-037-15861	14-20-603-247A	SEC. 24, T41S, R24E	510' FNL; 810' FWL
✓ 24W-21	43-037-16429	14-20-603-247	SEC. 24, T41S, R24E	4695' FSL; 3300' FEL
✓ 24W-43	43-037-16430	14-20-603-247	SEC. 24, T41S, R24E	2080' FSL; 660' FEL
✓ 24-31W	43-037-15862	14-20-603-247A	SEC. 24, T41S, R24E	NW/NE 560' FNL; 1830' FEL
✓ 24-32	43-037-31593	14-20-603-247A	SEC. 24, T41S, R24E	SW/NE 2121' FNL; 1846' FEL
✓ 24-41	43-037-31132	14-20-603-247A	SEC. 24, T41S, R24E	NE/NE 660' FNL; 710' FEL
✓ 24W-42	43-037-15863	14-20-603-247A	SEC. 24, T41S, R24E	660' FSL; 1980' FNL
✓ 28-11	43-037-30446	14-20-603-409	SEC. 28, T41S, R24E	NW/NW 520' FNL; 620' FWL
✓ 28-12	43-037-15336	14-20-603-409B	SEC. 28, T41S, R24E	SW/SE/NW 2121' FNL; 623' FWL
✓ 29-11	43-037-31053	14-20-603-407	SEC. 29, T41S, R24E	NW/NW 770' FNL; 585' FWL
✓ 29W-21	43-037-16432	14-20-603-407	SEC. 29, T41S, R24E	NE/NW 667' FNL; 2122' FWL
✓ 29-22	43-037-31082	14-20-603-407	SEC. 29, T41S, R24E	SE/NW 2130' FNL; 1370' FWL
✓ 29W-23	43-037-15338	14-20-603-407	SEC. 29, T41S, R24E	NE/SW 1846' FSL; 1832' FWL
✓ 29-31	43-037-30914	14-20-603-407	SEC. 29, T41S, R24E	NW/NE 700' FNL; 2140' FEL
✓ 29-32	43-037-15339	14-20-603-407	SEC. 29, T41S, R24E	1951' FNL; 1755' FEL
✓ 29-33	43-037-30932	14-20-603-407	SEC. 29, T41S, R24E	NW/SE 1860' FSL; 1820' FEL
✓ 29-34	43-037-15340	14-20-603-407	SEC. 29, T41S, R24E	817' FSL; 2096' FEL
✓ 29W-41	43-037-16433	14-20-603-407	SEC. 29, T41S, R24E	557' FNL; 591' FEL
✓ 29W-42	43-037-30937	14-20-603-407	SEC. 29, T41S, R24E	SE/NE 1850' FNL; 660' FEL
✓ 29W-43	43-037-16434	14-20-603-407	SEC. 29, T41S, R24E	NE/SE 1980' FSL; 660' FEL
✓ 30-21W	43-037-16435	14-20-603-407	SEC. 30, T41S, R24E	660' FNL; 1920' FWL
✓ 30-32	43-037-15342	14-20-603-407	SEC. 30, T41S, R24E	SW/NE 1975' FNL; 2010' FEL
✓ 30W-41	43-037-15343	14-20-603-407	SEC. 30, T41S, R24E	NE/NE 660' FNL; 660' FEL
✓ 9-34	NA 4303715711	NA 14206034043	NA SEC. 9 T. 41S. R. 24E	NA SW/SE 660' FSL 1980' FEL
✓ 12-43	43-307-31202	14-20-603-246	SEC. 12, T41S, R23E	2100' FSL; 660' FEL
✓ 12W31	43-037-15847	14-20-603-246	SEC. 12, T41S, R23E	661' FNL; 1981' FEL
✓ 13W24	43-037-15853	14-20-603-247	SEC. 13, T41S, R23E	SE/SW 660' FSL; 3300' FEL
✓ 15W23	43-037-16412	14-20-603-355	SEC. 15, T41S, R24E	2140' FSL; 1820' FWL
✓ 17-24	43-037-31044	14-20-603-353	SEC. 17, T41S, R24E	SE/SW 720' FSL; 1980' FWL
✓ 18-13	43-037-15734	14-20-603-353	SEC. 18, T41S, R24E	NW/NW 1980' FSL; 500' FWL
✓ 18W32	43-037-15736	14-20-603-353	SEC. 18, T41S, R24E	SW/NE 2140' FNL; 1830' FEL
✓ 20-68	43-037-31591	14-20-603-353	SEC. 20, T41S, R24E	NW/SW 1276' FWL; 1615' FSL
✓ 21-23	43-037-13754	14-20-603-355	SEC. 21, T41S, R24E	NE/SW 1740' FSL 1740' FWL
✓ 28W21	43-037-16431	14-20-603-409	SEC. 29, T41S, R24E	660' FNL; 2022' FWL

PAID

PAID

PAID

PAID

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on
reverse side)

Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☐

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL

WELL ☒

GAS

WELL ☐

OTHER HORIZONTAL

SINGLE

ZONE ☐

MULTIPLE

ZONE ☐

2. NAME OF OPERATOR

MOBIL EXPLORATION & PRODUCING U.S. AS AGENT FOR MEPNA

3. ADDRESS OF OPERATOR

P O BOX 633 MIDLAND, TX 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface

1980' FNL, 660' FWL ✓
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

4.5 MILES SSE OF MONTEZUMA CREEK, UT

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drilg. unit line, if any)

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED
TO THIS WELL

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

5797'

20. ROTARY OR CABLE TOOLS

ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

GL: 4802'

22. APPROX. DATE WORK WILL START*

05-06-94

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2	13-3/8	27.1#	174'	175 SX CMT
N/A	8-5/8	24 #	1539'	N/A
8-3/4	5-1/2	14 #	5797'	N/A

SEE ATTACHED PROCEDURE FOR HORIZONTAL RE-ENTRY

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 5-23-94
BY: J. Matt Kew
WELL SPACING: R649-2-3

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Shirley J. Judd

TITLE

Env. & Reg.

DATE

4-20-94

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

Ratherford Unit #20-12 Horizontal Drilling Procedure

The objective of this procedure is to prepare this wellbore for sidetracking, sidetrack the subject well and drill a short radius horizontal well with a 1000' lateral.

1. Prepare location and dig working pit.
2. MIRU DDPU (daylight workover rig), reverse unit and H2S equipment.
3. TOH and LD rods.
4. ND wellhead, release TAC, and NU BOPs.
5. TIH with 4 3/4" bit and casing scraper to PBTD @ 5758'. TOH with bit and scraper.
6. Attempt to load hole and establish an injection rate (if the injection pressure is > 500 psi, a packer should be run to establish an injection rate).
7. MIRU wireline truck. Run gauge ring and junk basket to PBTD @ 5758'. Run a gyro survey from PBTD to surface. Run and set a cement retainer $\pm 5520'$. RD wireline truck.
8. TIH with star guide @ $\pm 5520'$. Circulate until well is static and free of oil and gas. Sting into cement retainer and establish injection rate. Pressure annulus to 500 psi. Squeeze cement the existing Desert Creek perforations. Pull out of retainer leaving 1 bbl of cement on top of the retainer and reverse out. TOH with star guide laying down tubing.
9. TIH with 4 3/4" bit and drill collars picking up 2 7/8" 10.40 ppf E-75 AOH workstring. Drill cement retainer and cement to 5758'. Circulate hole clean and then mud-up system until a yield point of 40-50 is obtained. TOH with bit.
10. TIH with 4 1/2" section mill dressed with cutter arms for 5 1/2" casing to 5550'. Mill section in casing from 5565' - 5595'. Circulate the hole clean and TOH with section mill.
11. TIH with 4 3/4" bit and clean out to TD. Circulate hole clean and TOH with bit.
12. TIH with 10 jts 2 3/8" tubing on 2 7/8" DP to TD. Circulate the well until static and free of oil and gas. Spot a balanced cement kick-off plug. TOH with workstring. WOC a minimum of 12 hours.
13. TIH and tag cement plug and re-spot plug if the top is too low. TOH and LD workstring. ND BOPs and NU wellhead. RDMO daylight workover rig.
14. MIRU 24 hour DDPU with drilling package. TIH with 4 3/4" MT bit, DCs, and 2 7/8", 10.4ppf, AOH drillpipe.

15. Dress off cement plug to the kick off point @ 5575'. Treat water and mud up with XC polymer. POOH.
16. PU curve drilling assembly and TIH on 2 7/8" DP to PBTD.
17. RU power swivel and wireline. Latch into gyro tool and orient BHA.
18. Sidetrack wellbore using gyro orientation. Switch to Magnetic steering tool when free of magnetic interference from casing.
19. Drill curve section using steering tool for orientation. POOH and LD curve drilling motor.
20. PU lateral drilling motor and new bit.
21. TIH with lateral drilling assembly. Steer assembly as necessary with steering tool to reach target. Make bit trips as necessary. Circulate wellbore clean and POOH.
22. Complete well as per operations Engineering.

San Juan County, Utah
Sec 20, TWP 41S, RNG 24E
660' FWL & 1980' FNL

4.5 miles SSE of Montezuma Creek, Utah

RATHERFORD UNIT No. 20-12 EXISTING WELLSKETCH

GL: 4802'

KB: 4814'

ZERO: 12' AGL

API No. 4303715746

Latitude: -109.3111102

Longitude: 37.209738238

Spud Date: 11/15/58

174'

13 3/8" 27.1# SWSJ Casing @ 174'
Cemented with 175 sx cmt + 2% CaCl₂.
Circ Cmt to surface.

1539'

8 5/8" 24# J55 STC Casing @ 1539'

5570' - 82' (4 SPF)

5591' - 99' (4 SPF)

5605' - 31' (4 SPF)

5639' - 46' (4 SPF)

5654' - 60' (4 SPF)

5677' - 80' (4 SPF)

5690' - 98' (4 SPF)

5708' - 12' (4 SPF)

5731' - 41' (4 SPF)

PBTD @ 5758'

TD @ 5797'

5 1/2" 14# J55 STC Casing @ 5797'

ID: 5.012" Drift: 4.887" Conn OD: 6.050"

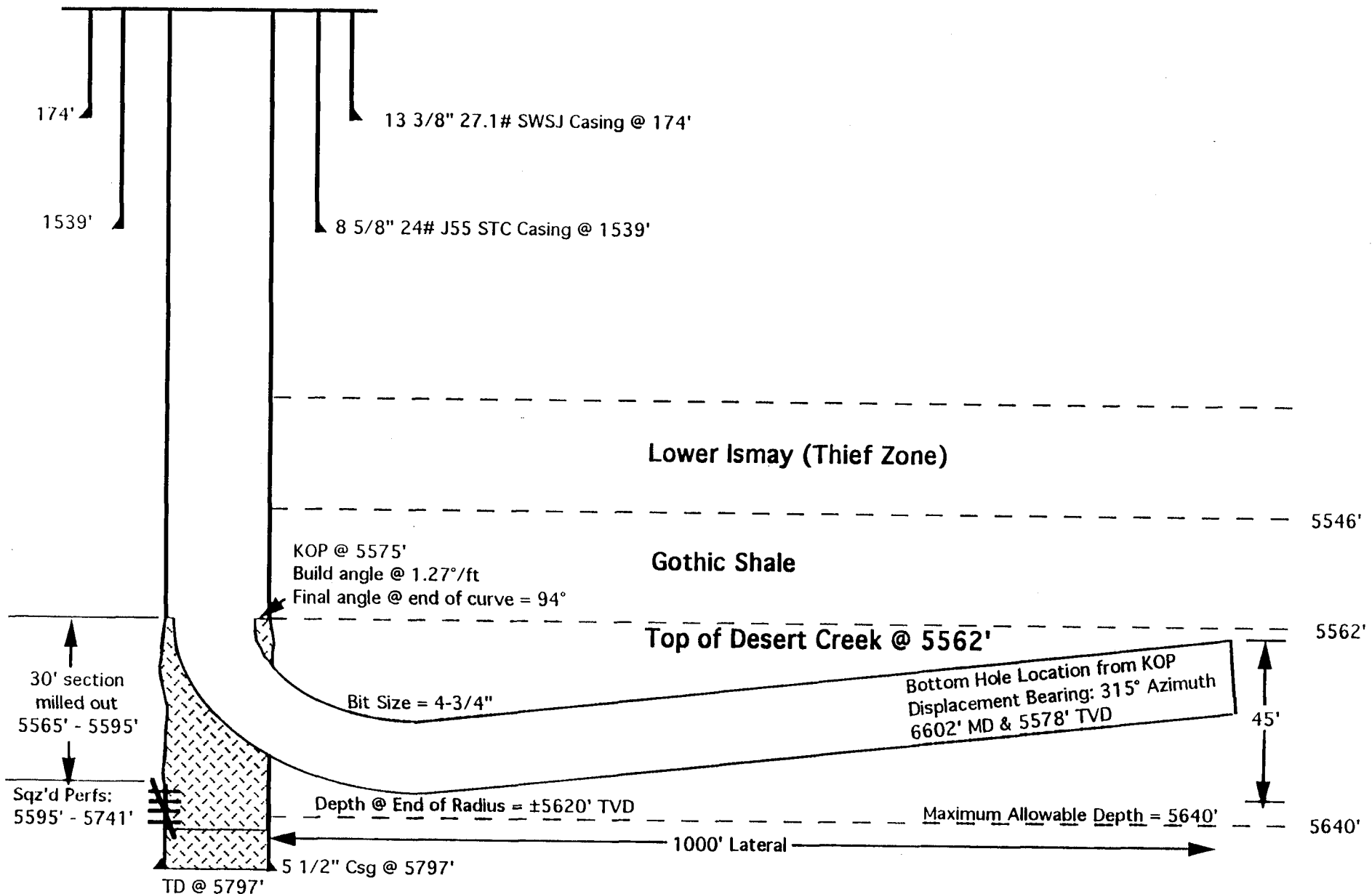
Burst: 4270 psi Collapse: 3120 psi

JS: 189M psi 3Y: 222M psi

Bit Size: 7.875"

Cemented with 550 cu.ft.

PROPOSED HORIZONTAL RATHERFORD UNIT #20-12 WIW



Form 3160-3
November 1983)
(formerly 9-331C)

SUBMIT IN TRIPLICATE*
(Other instructions on
reverse side)

Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1A. TYPE OF WORK DRILL <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. 14-20-603-353
B. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER HORIZONTAL <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME NAVAJO TRIBAL
7. NAME OF OPERATOR MOBIL EXPLORATION & PRODUCING U.S. AS AGENT FOR MEPNA		7. UNIT AGREEMENT NAME RATHERFORD UNIT
8. ADDRESS OF OPERATOR P O BOX 633 MIDLAND, TX 79702		8. FARM OR LEASE NAME RATHERFORD UNIT
9. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1980' FNL, 660' FWL At proposed prod. zone		9. WELL NO. 20-12
10. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 4.5 MILES SSE OF MONTEZUMA CREEK, UT 49-037-15746		10. FIELD AND POOL OR WILDCAT GREATER ANETH
11. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any)		11. SURV. E. M. OR ELE. AND SURVEY OR AREA SEC 20, T41S, R24E
12. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 5797'		12. COUNTY OR PARISH; 13. STATE SAN JUAN UT
13. ELEVATIONS (Show whether DP, RT, GR, etc.) GL: 4802'		14. APPROX. DATE WORK WILL START 05-06-94

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2	13-3/8	27.1#	174'	175 SX CMT
N/A	8-5/8	24 #	1539'	N/A
8-3/4	5-1/2	14 #	5797'	N/A

SEE ATTACHED PROCEDURE FOR HORIZONTAL RE-ENTRY

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

14. ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new prod. zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give flow vent prevention program, if any.

SIGNED Shirley Jones TITLE Env. & Reg. DATE 4-2-94

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY: _____

APPROVED
APR 28 1994
BUREAU MANAGER

See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 04/29/94

API NO. ASSIGNED: 43-037-15746

WELL NAME: RATHERFORD 20-12 (RE-ENTRY)
OPERATOR: MOBIL EXPL & PROD NA (N7370)

PROPOSED LOCATION:

SWNW 20 - T41S - R24E
SURFACE: 1980-FNL-0660-FWL
BOTTOM:
SAN JUAN COUNTY
GREATER ANETH FIELD (365)

LEASE TYPE: IND
LEASE NUMBER: 14-20-603-353

PROPOSED PRODUCING FORMATION: DSCR

INSPECT LOCATION BY: / /

TECH REVIEW	Initials	Date
Engineering		
Geology		
Surface		

RECEIVED AND/OR REVIEWED:

Y Plat
___ Bond: Federal[] State[] Fee[]
(Number _____)
N Potash (Y/N)
N Oil shale (Y/N)
___ Water permit
(Number _____)
N RDCC Review (Y/N)
(Date: _____)

LOCATION AND SITING:

UTU 68931A
✓ R649-2-3. Unit: R649-2-3
___ R649-3-2. General.
___ R649-3-3. Exception.
___ Drilling Unit.
___ Board Cause no: _____
___ Date: _____

COMMENTS:

STIPULATIONS: 1. DIRECTIONAL SURVEY SHOWING BOTTOM
HOLE LOCATION WILL BE FILED 649-3-11



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

May 23, 1994

Mobil Exploration & Producing U.S. as Agent for MEPNA
P.O. Box 633
Midland, Texas 79702

Re: Ratherford Unit 20-12 Well, 1980' FNL, 660' FWL, SW NW, Sec. 20, T. 41 S., R. 24 E., San Juan County, Utah

Gentlemen:

Pursuant to Utah Code Ann. § 40-6-18, (1953, as amended), Utah Admin. R. 649-2-3, Application of Rules to Unit Agreements and R. 649-3-4, Permitting of Wells to be Drilled, Deepened or Plugged-Back, approval to reenter and horizontally drill the referenced well is hereby granted.

In addition, the following specific actions are necessary to fully comply with this approval:

1. In accordance with Utah Admin. R. 649-3-11, Directional Drilling, submittal of a complete angular deviation and directional survey report is required.
2. Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules.
3. Notification to the Division within 24 hours after drilling operations commence.
4. Submittal of Entity Action Form, Form 6, within five working days following commencement of drilling operations and whenever a change in operations or interests necessitates an entity status change.
5. Submittal of the Report of Water Encountered During Drilling, Form 7.
6. Prompt notification prior to commencing operations, if necessary, to plug and abandon the well. Notify Frank R. Matthews, Petroleum Engineer, (Office) (801)538-5340, (Home) (801)476-8613, or K. Michael Hebertson, Reclamation Specialist, (Home) (801)269-9212.



Page 2

Mobil Exploration & Producing U.S. as Agent for MEPNA

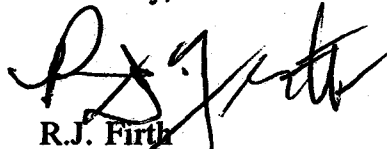
Ratherford Unit 20-12 Well

May 23, 1994

7. Compliance with the requirements of Utah Admin. R. 649-3-20, Gas Flaring or Venting, if the well is completed for production.

This approval shall expire one year after date of issuance unless substantial and continuous operation is underway or a request for an extension is made prior to the approval expiration date. The API number assigned to this well is 43-037-15746.

Sincerely,



R.J. Firth
Associate Director

ldc

Enclosures

cc: San Juan County Assessor

Bureau of Land Management, Moab District Office

WOI1

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator for MPT&NM and MEPNA* (915) 688-2114

3. Address and telephone number: P.O. Box 693, Midland, Tx. 79702 Attn: Glen Cox

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Surface: SWNW 20-41s-24e

BHL: N/A

5. Lease Designation and Serial No.

14-20-603-353

6. If Indian, Allottee or Tribe Name

Navajo

7. If Unit or CA, Agreement Designation

Ratherford

8. Well Name and No.

RU 20-12

9. API Well No.

43-037-15746

10. Field and Pool, or Exploratory Area

Greater Aneth

11. County or Parish, State

San Juan, Ut.

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Pipeline
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

*Mobil Exploration & Producing U. S. Inc. as agent for Mobil Producing Texas & New Mexico Inc. and Mobil Exploration & Producing North America Inc.

Will bury water injection pipeline ≈ 30 " deep. (Application to convert well will be filed separately.) Pipeline will be $\approx 1125'$ long and run north from well to existing injection pipeline just south of 20-11. All in unit. All on Navajo Tribal Trust. All sites avoided.

Pipeline will be $\approx 3\text{-}1/2$ " OD coiled steel tubing. Wall thickness is 0.190". Pipe rated to API5LX42. Maximum operating pressure will be ≈ 500 psi. Hydrotested to ≈ 5800 psi. Burst pressure is ≈ 7200 psi. Tubing will be unreeled from spool mounted on bulldozer.

cc: BIA, BLM, Cox, UDOGM

14. I hereby certify that the foregoing is true and correct

Signed

Title

Consultant

Accepted by the

Utah Division of

Oil, Gas and Mining

Date

6-20-94

(This space for Federal or State office use)

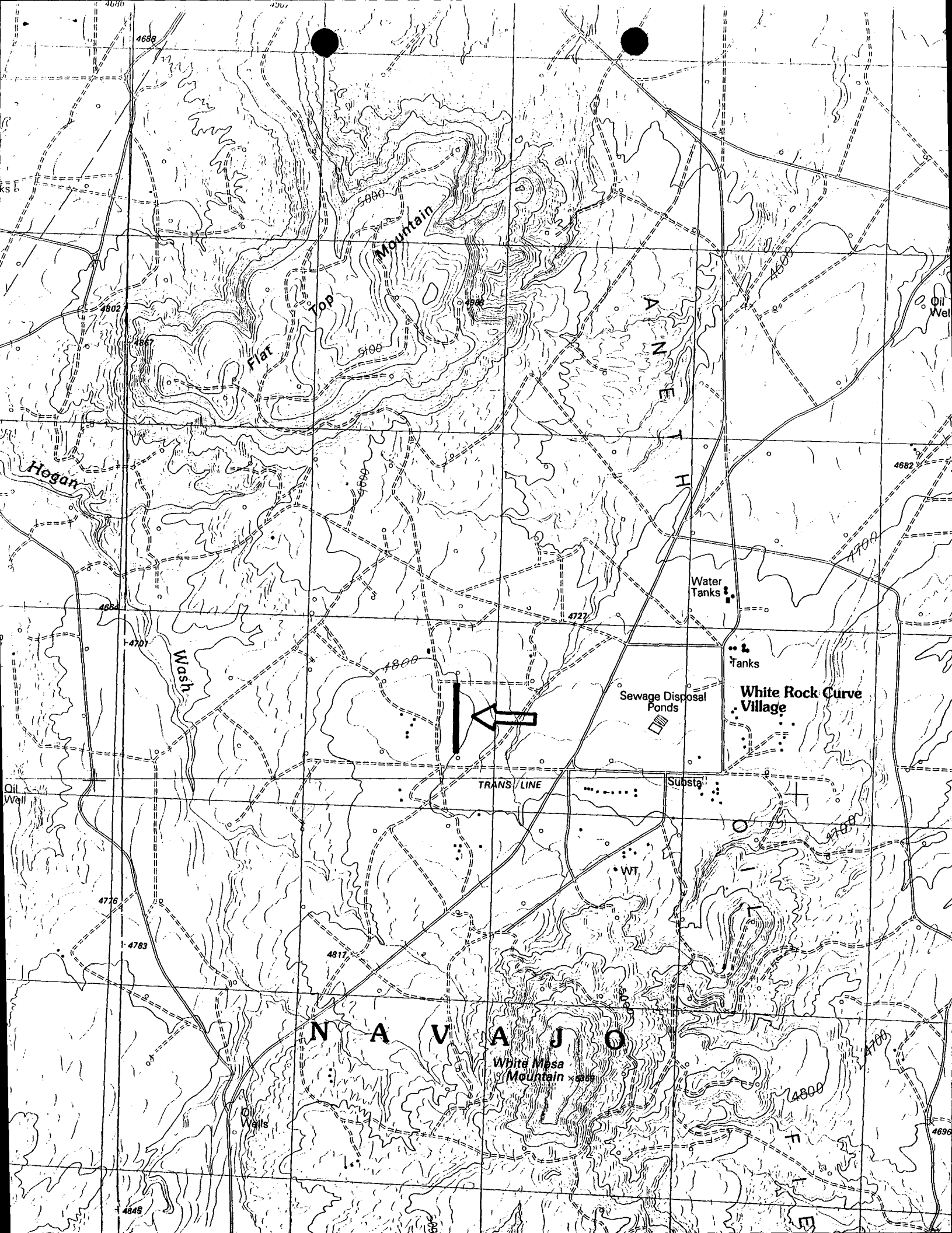
Approved by

Title

Conditions of approval, if any:

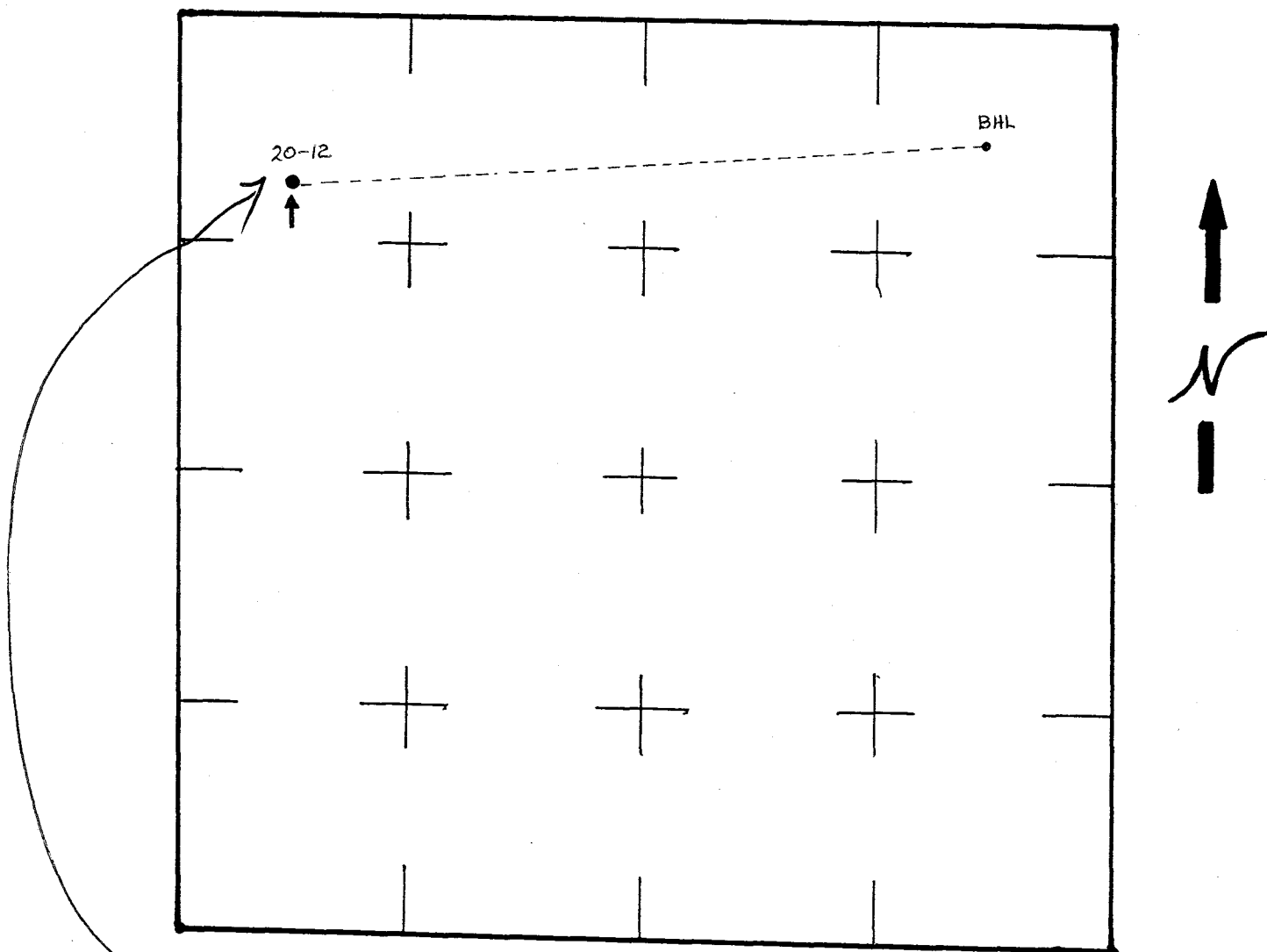
Date

FOR RECORD



Mobil EXPLORATION & PRODUCING U.S. INC.
as Agent for MEPNA & Mobil Oil Corp.

X

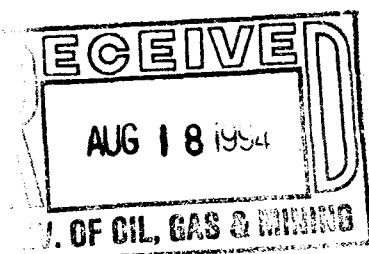


2

RATHERFORD UNIT # 20-12
SEC. 20, T41S, R24E
1980' FNL, 660' FWL
BHL 709' FNL, 740' FEL
343.46° AZIMUTH

Scale 1" = 1,000'

43-037-15746
RE-ENTRY



BECFIELD SURVEY & TARGET TRACKING PROGRAM

OPERATOR: Mobil Exploration & Production
WELL: Ratherford Unit # 20-12
LOCATION: San Juan County, Utah

START: 06/30/94
FINISH: 07/10/94
BecField Directional Coord.
E. Pruett/N. Sayles

Survey No. 0 is a tie-in to a
Gyroscopic survey ran by
Scientific Drilling on 00-00-94

12.3 DEG applied = TRUE

MINIMUM CURVATURE CALCULATIONS(SPE-3362) Proposed Direction 313.4

SUR NUM	MD	INC	TRUE AZM	TVD	N-S	E-W	SECT	DLS/ 100
0	5500	0.7	359.5	5498.7	58.6	-82.4	99.7	0.0
1	5575	2.2	347.2	5573.7	60.5	-82.7	101.6	2.0
2	5577	3.1	333.9	5575.7	60.5	-82.8	101.7	54.2
3	5579	3.9	325.9	5577.7	60.7	-82.8	101.8	46.8
4	5581	5.1	318.8	5579.7	60.8	-82.9	102.0	66.0
5	5583	6.0	314.5	5581.7	60.9	-83.0	102.2	49.5
6	5585	7.5	311.4	5583.6	61.1	-83.2	102.4	77.2
7	5587	9.3	307.7	5585.6	61.3	-83.4	102.7	93.9
8	5589	10.9	307.7	5587.6	61.5	-83.7	103.1	80.0
9	5591	12.4	307.7	5589.5	61.7	-84.0	103.5	75.0
10	5593	14.0	307.7	5591.5	62.0	-84.4	103.9	80.0
11	5595	15.6	306.5	5593.4	62.3	-84.8	104.4	81.5
12	5597	17.1	306.0	5595.3	62.6	-85.3	105.0	75.3
13	5599	18.8	305.5	5597.2	63.0	-85.8	105.6	85.3
14	5601	20.3	305.0	5599.1	63.4	-86.3	106.3	75.5
15	5603	22.0	304.5	5601.0	63.8	-86.9	107.0	85.5
16	5605	23.5	304.0	5602.8	64.2	-87.5	107.7	75.6
17	5607	25.2	303.5	5604.7	64.7	-88.2	108.6	85.6
18	5609	27.5	303.5	5606.5	65.2	-89.0	109.4	115.0
19	5611	29.2	304.9	5608.2	65.7	-89.8	110.4	91.3
20	5613	30.5	305.5	5610.0	66.3	-90.6	111.4	66.7
21	5615	32.1	306.3	5611.7	66.9	-91.4	112.4	82.7
22	5617	33.6	306.8	5613.3	67.5	-92.3	113.5	76.2
23	5619	35.1	307.1	5615.0	68.2	-93.2	114.6	75.5
24	5621	36.8	307.7	5616.6	68.9	-94.1	115.7	86.8
25	5623	38.2	307.9	5618.2	69.7	-95.1	117.0	70.3
26	5625	39.9	308.2	5619.7	70.5	-96.1	118.2	85.5
27	5627	41.5	308.6	5621.3	71.3	-97.1	119.5	81.1
28	5629	43.3	309.1	5622.7	72.1	-98.1	120.9	91.6
29	5631	44.9	309.4	5624.2	73.0	-99.2	122.2	80.7
30	5633	46.5	309.8	5625.6	73.9	-100.3	123.7	81.3
31	5635	48.1	310.2	5626.9	74.9	-101.4	125.1	81.3
32	5637	50.1	310.6	5628.2	75.8	-102.6	126.7	101.1
33	5639	51.7	310.9	5629.5	76.8	-103.8	128.2	80.8
34	5641	53.3	311.3	5630.7	77.9	-105.0	129.8	81.6
35	5643	55.1	311.8	5631.9	79.0	-106.2	131.4	92.3
36	5645	56.8	312.2	5633.0	80.1	-107.4	133.1	86.6
37	5647	58.3	312.7	5634.1	81.2	-108.7	134.8	77.9
38	5649	59.8	313.1	5635.1	82.4	-109.9	136.5	76.9
39	5651	61.5	313.5	5636.1	83.6	-111.2	138.2	86.8
40	5653	63.2	313.9	5637.0	84.8	-112.5	140.0	86.8
41	5655	65.0	314.3	5637.9	86.1	-113.8	141.8	91.8
42	5657	66.6	314.7	5638.7	87.3	-115.1	143.6	82.1
43	5659	68.5	315.1	5639.5	88.6	-116.4	145.5	96.8
44	5661	70.2	315.5	5640.2	90.0	-117.7	147.3	87.0

BECFIELD SURVEY & TARGET TRACKING PROGRAM

OPERATOR: Mobil Exploration & Production
WELL: Ratherford Unit # 20-12
LOCATION: San Juan County, Utah

START: 06/30/94
FINISH: 07/10/94
BecField Directional Coord.
E. Pruett/N. Sayles

Survey No. 0 is a tie-in to a
Gyroscopic survey ran by
Scientific Drilling on 00-00-94

12.3 DEG applied = TRUE

MINIMUM CURVATURE CALCULATIONS(SPE-3362) Proposed Direction 313.4

SUR NUM	MD	INC	TRUE AZM	TVD	N-S	E-W	SECT	DLS/ 100
45	5663	72.1	315.9	5640.8	91.3	-119.0	149.2	96.9
46	5665	73.9	316.3	5641.4	92.7	-120.3	151.1	92.0
47	5667	75.1	313.5	5641.9	94.1	-121.7	153.1	147.6
48	5669	77.0	314.0	5642.4	95.4	-123.1	155.0	98.0
49	5671	78.9	314.4	5642.8	96.8	-124.5	156.9	97.0
50	5673	80.6	314.7	5643.2	98.1	-125.9	158.9	86.3
51	5675	82.6	315.3	5643.5	99.5	-127.3	160.9	104.3
52	5677	84.1	315.6	5643.7	101.0	-128.7	162.9	76.5
53	5679	85.9	316.3	5643.9	102.4	-130.1	164.9	96.5
54	5681	87.2	316.7	5644.0	103.8	-131.5	166.9	68.0
55	5683	88.5	317.1	5644.1	105.3	-132.8	168.9	68.0
56	5685	89.5	317.6	5644.1	106.8	-134.2	170.9	55.9
57	5687	90.3	318.0	5644.1	108.3	-135.5	172.8	44.7
58	5689	91.0	318.1	5644.1	109.7	-136.9	174.8	35.4
59	5694	91.9	318.9	5644.0	113.5	-140.2	179.8	24.1
60	5699	92.5	319.6	5643.8	117.3	-143.4	184.8	18.4
61	5704	93.7	319.7	5643.5	121.1	-146.7	189.8	24.1
62	5709	95.2	320.3	5643.1	124.9	-149.9	194.7	32.3
63	5714	96.8	320.6	5642.6	128.7	-153.0	199.6	32.6
64	5719	98.3	320.2	5642.0	132.5	-156.2	204.6	31.0
65	5724	99.8	320.2	5641.2	136.3	-159.4	209.5	30.0
66	5729	100.8	319.8	5640.3	140.1	-162.5	214.3	21.5
67	5734	101.2	319.2	5639.3	143.8	-165.7	219.2	14.2
68	5739	101.4	318.6	5638.3	147.5	-168.9	224.1	12.4
69	5744	101.0	317.7	5637.4	151.2	-172.2	229.0	19.4
70	5749	100.8	317.2	5636.4	154.8	-175.5	233.9	10.6
71	5754	100.5	316.7	5635.5	158.4	-178.9	238.8	11.5
72	5759	100.3	316.3	5634.6	162.0	-182.3	243.7	8.8
73	5769	100.2	316.0	5632.8	169.1	-189.1	253.5	3.1
74	5779	100.0	315.9	5631.1	176.1	-195.9	263.4	2.2
75	5789	98.8	315.4	5629.4	183.2	-202.8	273.2	13.0
76	5799	97.6	315.1	5628.0	190.2	-209.8	283.1	12.4
77	5809	97.2	314.8	5626.7	197.2	-216.8	293.0	5.0
78	5819	97.1	314.6	5625.5	204.2	-223.9	303.0	2.2
79	5829	97.4	313.9	5624.2	211.1	-231.0	312.9	7.6
80	5839	97.2	313.6	5622.9	218.0	-238.1	322.8	3.6
81	5849	97.2	313.4	5621.7	224.8	-245.3	332.7	2.0
82	5859	97.2	314.3	5620.4	231.7	-252.5	342.6	8.9
83	5869	97.2	314.2	5619.2	238.6	-259.6	352.6	1.0
84	5879	97.3	314.1	5617.9	245.5	-266.7	362.5	1.4
85	5889	96.7	314.3	5616.7	252.4	-273.8	372.4	6.3
86	5899	96.1	314.5	5615.6	259.4	-280.9	382.3	6.3
87	5909	95.8	314.5	5614.5	266.4	-288.0	392.3	3.0
88	5931	94.0	314.4	5612.7	281.7	-303.7	414.2	8.2
89	5947	92.8	316.0	5611.7	293.0	-314.9	430.2	12.5

BECFIELD SURVEY & TARGET TRACKING PROGRAM

OPERATOR: Mobil Exploration & Production
WELL: Ratherford Unit # 20-12
LOCATION: San Juan County, Utah

START: 06/30/94
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MINIMUM CURVATURE CALCULATIONS(SPE-3362) Proposed Direction 313.4

SUR NUM	MD	INC	TRUE AZM	TVD	N-S	E-W	SECT	DLS/ 100
90	5962	91.0	316.8	5611.2	303.9	-325.3	445.1	13.1
91	5978	89.9	315.4	5611.1	315.4	-336.3	461.1	11.1
92	5993	91.9	315.5	5610.9	326.1	-346.9	476.1	13.3
93	6009	94.4	313.9	5610.0	337.4	-358.2	492.1	18.5
94	6024	95.2	313.6	5608.7	347.7	-369.0	507.0	5.7
95	6041	95.5	313.2	5607.1	359.3	-381.3	523.9	2.9
96	6056	95.8	313.3	5605.7	369.5	-392.2	538.9	2.1
97	6072	96.5	313.1	5604.0	380.4	-403.8	554.8	4.5
98	6087	96.9	312.8	5602.2	390.6	-414.7	569.7	3.3
99	6103	96.5	312.6	5600.3	401.4	-426.4	585.6	2.8
100	6113	96.2	312.4	5599.2	408.1	-433.7	595.5	3.6
101	6134	96.4	312.7	5596.9	422.2	-449.1	616.4	1.7
102	6149	95.4	312.5	5595.4	432.3	-460.1	631.3	6.8
103	6166	95.2	312.4	5593.8	443.7	-472.5	648.2	1.3
104	6181	95.0	312.3	5592.5	453.8	-483.6	663.2	1.5
105	6197	94.6	312.3	5591.1	464.5	-495.4	679.1	2.5
106	6212	94.2	317.6	5590.0	475.1	-506.0	694.0	35.3
107	6228	93.9	317.6	5588.9	486.9	-516.7	710.0	1.9
108	6243	92.8	316.9	5588.0	497.9	-526.9	724.9	8.7
109	6264	92.7	316.7	5587.0	513.1	-541.2	745.8	1.1
110	6275	94.1	316.8	5586.3	521.1	-548.8	756.8	12.8
111	6291	93.4	316.1	5585.3	532.7	-559.8	772.7	6.2
112	6306	92.9	315.3	5584.5	543.4	-570.2	787.7	6.3
113	6322	91.5	314.8	5583.8	554.8	-581.5	803.7	9.3
114	6337	91.3	314.3	5583.5	565.3	-592.2	818.7	3.6
115	6353	90.8	313.9	5583.2	576.4	-603.7	834.7	4.0
116	6368	89.9	313.2	5583.1	586.7	-614.6	849.7	7.6
117	6385	88.7	313.0	5583.3	598.4	-627.0	866.7	7.2
118	6400	87.0	312.3	5583.9	608.5	-638.0	881.7	12.3
119	6416	86.3	312.1	5584.8	619.2	-649.8	897.6	4.5
120	6431	88.5	311.9	5585.5	629.3	-661.0	912.6	14.7
121	6447	92.2	311.7	5585.4	639.9	-672.9	928.6	23.2
122	6463	91.8	311.9	5584.8	650.6	-684.8	944.6	2.8
123	6479	90.8	312.1	5584.5	661.3	-696.7	960.6	6.4
124	6494	91.8	312.5	5584.1	671.4	-707.8	975.6	7.2
125	6515	94.7	313.4	5582.9	685.7	-723.1	996.5	14.5
126	6525	96.4	313.0	5582.0	692.5	-730.4	1006.5	17.5
127	6550	94.0	313.0	5579.7	709.5	-748.6	1031.4	9.6

Survey's No. 1 thru 126 ran by BecField Steering Tool.
Survey No. 127 is a projection to bit depth.
Bottom hole location from surface location
Horizontal displacement = 1031.37 feet
Displacement Bearing = North 46.54 West (True)

BECKFIELD
DRILLING SERVICES

MOBIL EXPL & PROD
RATHERFORD NO. 20-12
SAN JUAN COUNTY, UTAH

10908 Metronome DPA (713) 972-1700
Houston, TX 77043 Fax (713) 932-2398

P. O. Box 633 DPA (214) 688-2000
Melland, Texas 79702 Fax (915) 688-1593

Date: 6/27/94

Drawn By: DBG

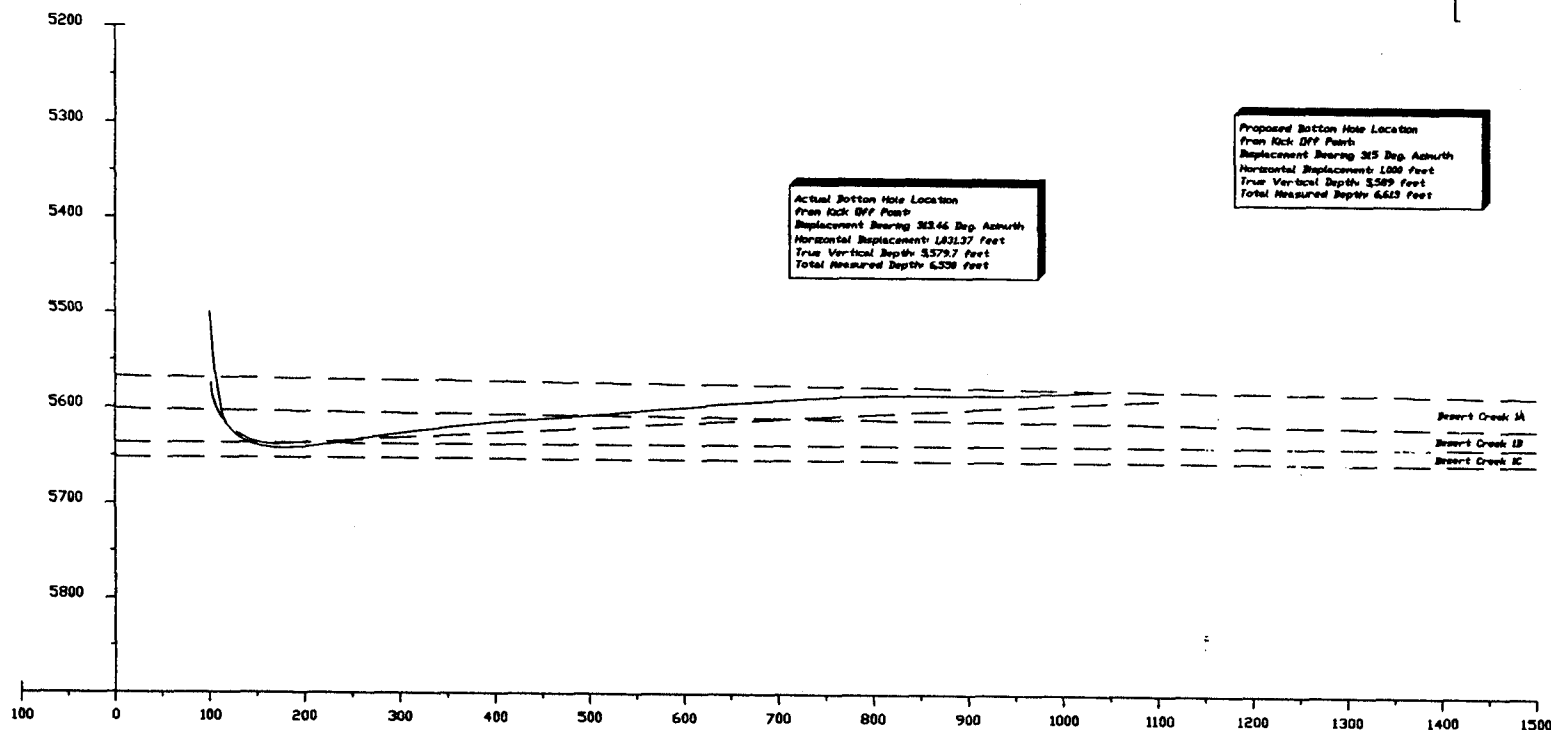
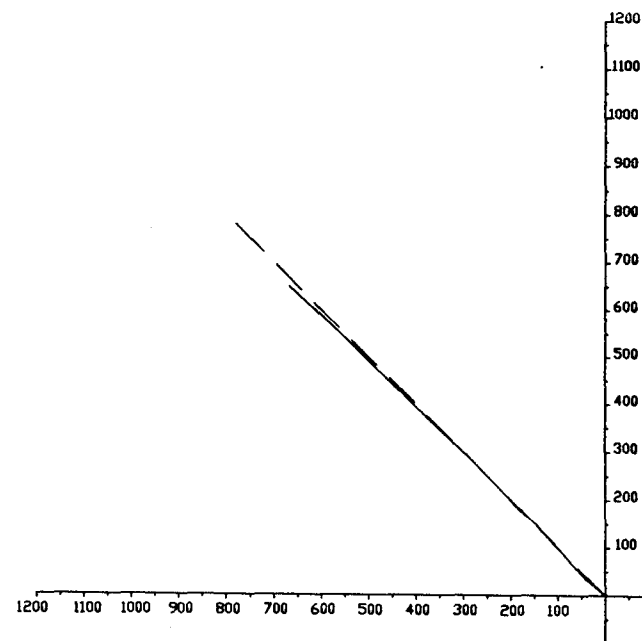
HORIZONTAL PROJECTION

The Surface Location
on this drawing is represented
by the coordinates 00

Loose Lines and Hand Lines
are drawn in relation to
the Surface Location



Magnetic Dec: 12.3° E



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

5. LEASE DESIGNATION AND SERIAL NO.
14-20-0603-353

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other _____

b. TYPE OF COMPLETION:

NEW WELL ☐ WORK OVER ☒ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other **SIDETRACK**

2. NAME OF OPERATOR **Mobil Exploration & Producing U.S. Inc.**
as Agent for Mobil Producing TX & NM Inc.

3. ADDRESS AND TELEPHONE NO.

P.O. Box 633, Midland, TX 79702

(915) 688-2585

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface

1980' FNL, 660' FWL

At top prod. interval reported below

At total depth

BHL 709' FNL, 748' FEL

14. PERMIT NO.

43-037-15746

DATE ISSUED

12. COUNTY OR PARISH

SAN JUAN

13. STATE

UT

15. DATE SPUDDED
N/A

16. DATE T.D. REACHED

17. DATE COMPL. (Ready to prod.)
07/19/94

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*
GL - 4802'

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD
TVD 5579'

21. PLUG, BACK T.D., MD & TVD
MD 6550'

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY
→

ROTARY TOOLS

X

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*

5575-6550' OH

25. WAS DIRECTIONAL SURVEY MADE
YES

26. TYPE ELECTRIC AND OTHER LOGS RUN

27. WAS WELL CORED
NO

28. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
13-3/8"	27.1#	174'	17-1/2"	175 SX	
8-5/8"	24#	1539'		455 SX CL B	
5-1/2"	14#			5501 CU FT CL B	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	SN @ 5559'	TAC @ 5503'

31. PERFORATION RECORD (Interval, size and number)
5575-6550' OH

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5495'	CMT RET PUMP 10,000 GALS
	MATROL, 150 SX G W/10% CAL-
	SEAL + 150 SX CL G 2/2.5 LBS
	MICRO-BOND. CIRC 4 BBLs (OVER)

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump)	WELL STATUS (Producing or shut-in)
	2.5 X 2 X 24	PRODUCING

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL - BBL.	GAS - MCF.	WATER - BBL.	GAS - OIL RATIO
07/28/94	24		→	124	163	25	1314
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL - BBL.	GAS - MCF.	WATER - BBL.	OIL GRAVITY - API (CORR.)	
48	48	→					

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

John for Shirley Jodd

TITLE

ENV. & REG. TECHNICIAN

DATE

08/10/94

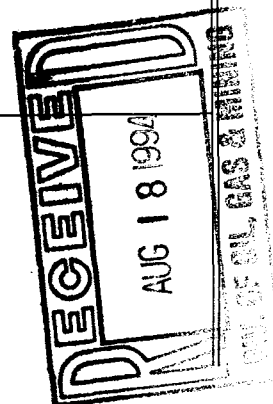
*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, flowing and shut-in pressures, and recoveries):

GEOLOGIC MARKERS

38.

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			<p>5565-95' MILLED OUT & REMOVED 30' OF 5.5" CSG</p> <p>5764-5300' SPOT 11 BBL (60 SX) CL G W/2.5# MICROBOND (17.0 PPG YLD 1.03 F+3/SK)</p> <p>5575' KICK OFF POINT FOR HORIZONTAL (KOP)</p> <p>5695-6550' ACDZ W/10,000 GALS 15% HCL ACID</p>			



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

COPY
(See instructions on reverse side)FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> Other _____		5. LEASE DESIGNATION AND SERIAL NO. 14-20-0603-353	
b. TYPE OF COMPLETION: NEW WELL <input type="checkbox"/> WORK OVER <input checked="" type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other <u>SIDETRACK</u>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME NAVAJO TRIBAL	
2. NAME OF OPERATOR Mobil Exploration & Producing U.S. Inc. as Agent for Mobil Producing TX & NM Inc.		7. UNIT AGREEMENT NAME RATHERFORD UNIT	
3. ADDRESS AND TELEPHONE NO. P.O. Box 633, Midland, TX 79702 (915) 688-2585		8. FARM OR LEASE NAME, WELL NO. RATHERFORD 20-12	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1980' FNL, 660' FWL <u>SW 1/4 NW 1/4</u> At top prod. interval reported below At total depth BHL 709' FNL, 748' FEL <u>NE 1/4 NE 1/4</u>		9. API WELL NO. 43-037-15746	
14. PERMIT NO. 43-037-15746		DATE ISSUED	
15. DATE SPUDDED N/A		16. DATE T.D. REACHED	
17. DATE COMPL. (Ready to prod.) 07/19/94		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* GL - 4802'	
19. ELEV. CASINGHEAD		20. TOTAL DEPTH, MD & TVD TVD 5579'	
21. PLUG, BACK T.D., MD & TVD MD 6550'		22. IF MULTIPLE COMPL., HOW MANY*	
23. INTERVALS DRILLED BY →		ROTARY TOOLS X	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)* 5575-6550' OH		25. WAS DIRECTIONAL SURVEY MADE YES	
26. TYPE ELECTRIC AND OTHER LOGS RUN		27. WAS WELL CORED NO	

28. CASING RECORD (Report all strings set in well)					
CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
13-3/8"	27.1#	174'	17-1/2"	175 SX	
8-5/8"	24#	1539'		455 SX CL B	
5-1/2	14#			5501 CU FT CL B	

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	SN @ 5559'	TAC @ 5503'

31. PERFORATION RECORD (Interval, size and number) 5575-6550' OH				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
				DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED		
				5495'	CMT RET PUMP 10,000 GALS		
					MATROL, 150 SX G W/10% CAL-		
					SEAL + 150 SX CL G 2/2.5 LBS		
					MICRO-BOND. CIRC 4 BBLS (OVER)		

33.* PRODUCTION							SLURRY
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) 2.5 X 2 X 24					WELL STATUS (Producing or shut-in) PRODUCING
DATE OF TEST 07/28/94	HOURS TESTED 24	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL - BBL. 124	GAS - MCF. 163	WATER - BBL. 25	GAS - OIL RATIO 1314
FLOW. TUBING PRESS. 48	CASING PRESSURE 48	CALCULATED 24-HOUR RATE →	OIL - BBL.	GAS - MCF.	WATER - BBL.	OIL GRAVITY - API (CORR.)	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)	TEST WITNESSED BY
--	-------------------

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED John for Shirley ToddTITLE ENV. & REG. TECHNICIANDATE 08/10/94

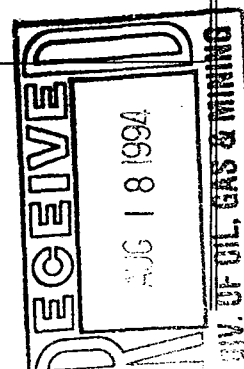
*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, flowing and shut-in pressures, and recoveries):

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			<p>5565-95' MILLED OUT & REMOVED 30' OF 5.5" CSG</p> <p>5764-5300' SPOT 11 BBL (60 SX) CL G W/2.5# MICROBOND (17.0 PPG YLD 1.03 F+3/SK)</p> <p>5575' KICK OFF POINT FOR HORIZONTAL (KOP)</p> <p>5695-6550' ACDZ W/10,000 GALS 15% HCL ACID</p>			



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SEP 19

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT - " for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator **Mobil Exploration & Producing U.S. Inc.
as Agent for Mobil Producing TX & NM Inc.**

3. Address and Telephone No.

P.O. Box 633, Midland, TX 79702 (915) 688-2585

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1980' FNL, 660' FWL; SEC. 20, T41S, R24E

BILL

5. Lease Designation and Serial No.

14-20-0603-353

6. If Indian, Allottee or Tribe Name

NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation

RATHERFORD UNIT

8. Well Name and No.

RATHERFORD UNIT 20-12

9. API Well No.

43-037-15746

10. Field and Pool, or exploratory Area

GREATER ANETH

11. County or Parish, State

SAN JUAN UT

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other SIDETRACK
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

05/06/94 MIRU. BLEED WELL DOWN. ND WELLHEAD, NU BOP. TIH W/BIT & SCRAPER; TAG PBTD @5758'.
05/07/94 MAKE JB/GR RUN TO 5550'. RUN GYRO SURVEY FROM 5755-0'. MEASURED DEPTH 5755'.
NORIZ DISPL 103.769, CLOSURE DIR 306.889.
05/09/94 RIH W/CMT RET & SET @ 5495'. PRESS TEST TBG & CSG TO 1000 PSI - HELD OK.
05/11/94 PUMP THRU CMT RET @ 5495' W/10,000 GALS MATROL THEN 150 SX G W/10% CALSEAL + 0.3%
HALAD 322 + 0.2% CFR-3 THEN 150 SC G W/2.5#/SK MICRO-BOND + 0.2% HALAD 322 +
0.1% CFR-3 @ 2 BPM DISP W/24.5 BBLS FW. STAGE PRESS T/2000PSI, PULL OUT OF RET.
05/12/94 RIH W/BIT & SCRAPER. TAG TOC @ 5460'. DRILL OUT CMT T/5637'. CIRC HOLE CLEAN.
05/13/94 FINISH DRLG CMT F/5637-5758'. PRESS TEST CSG T/1000 PSI - BLEED 0 PSI IN 30 MIN.
CIRC HOLE CLEAN W/FW. RUN GAMMA & CCL LOG F/5764-5000'.
05/18/94 RUN GAMMA & CORRELATE SECTION MILL ON DEPTH. CUT CSG & SECTION MILL F/5565-84'.
CIRC HOLE CLEAN.
05/19/94 FINISH SECTION MILLING 5.5" CSG F/5565-95'. CIRC HOLE CLEAN.
05/20/94 SPOT 11 BBL (60 SX) G W/ 2.5# MICROBOND + 0.5% CFR-3 MIX @ 17.0 PPG YLD 1.03 FT3/
SK F/5764-5300'. REV CIRC CLEAN. EST TOC 5400'.
05/23/94 RIH W/BIT & SCRAPER. TOC @ 5400'. DRILL OUT HAR CMT T/5542'. CIRC HOLE CLEAN.
06/29/94 RUN GAMMA RAY LOG F/5553-5300' & CORRELATE.

14. I hereby certify that the foregoing is true and correct

Signed [Signature]

Title **ENV. & REG. TECHNICIAN**

Date 9-12-94

(This space for Federal or State office use)

Approved by _____

Title _____

Date _____

Conditions of approval, if any:

DESCRIPTION OF OPERATIONS (CONT'D)

06/30/94 PRESS TEST CSG TO 500# - OK. DRILL OUT F/5554-5575'. DISPLACED HOLE W/MUD

07/01/94 RIH W/ BIT W/ ARTICULATION SUBS + MONEL DC'S. KOP @ 5575'. DRILL CURVE F/5575-5659'.

07/02/94 FIN. DRLG CURVE F/5659-5689'. CIRC & RUN SURVEY. SLIDE DRILL 4.75" HOLE F/5689-5695'.

07/03/94 SLIDE DRLG F/5695-5736'. 95% LIME, 5% CHERT. MD=5714'; TVD=5642.61'. INCLINATION 96.80 AZIMUTH=320.60 N=128.75; WEST=153.03; VS=199.64 SHORT TRIP & BACK REAM FROM 5736' TO 5575' KOP.

07/04/94 WASH & REAM F/5689-5736' TD. SLIDE DRILL 4.75" HOLE F/5736-5813'. LIME & CHERT W/MUD.

07/05/94 SLIDE DRILL F/5813-5890'.

07/06/94 WASH & REAM F/5845-5890'. SLIDE DRILL F/5890-5988'. LAST SURVEY: MD=5962' TVD=5611.22 AZIMUTH=315.80 INCLINATION=91 DEGREES N=303.9 W=325.25 VS=445.

07/07/94 WASH & REAM F/5783-5968'. WASH & REAM F/5908-5988'. SLIDE DRILL 4.75" HOLE F/5988-6070'. 75% LIME, 15% SILSTONE, 10% CHERT. LAST SURVEY: MD=6056' TVD=5605.67 INC. 95.8 NORTH=369.55 WEST=392.19 VS=538.87

07/08/94 SLIDE DRILL F/6070-6233'. LAST SURVEY: MD=6197' TVD=5591.4 INC.=94.6 AZIMUTH=312.3 N=464.51 W=495.38 VS=679.09.

07/09/94 WASH & REAM F/6218-6233'.

07/10/94 SLIDE DRILL 4.75" HOLE F/6233-6531'. LIME & CHERT. W/MUD. LAST SURVEY: MD=6479' TVD=5584' INC=91.8 AZI=312.5 N=671.38 W=707.8 VS=975.56

07/11/94 SLIDE DRILL F/6531-6550'. CIRC & COND HOLE. RUN GAMMA RAY LOG F/6305-5450'.

07/12/94 RUN NEUTRON LOG F/6416=5584'. TIH W/PACKER & TBG. ND BOP. SET PKR @ 5437' W/20,000 # COMPRESSION. NU TBG HEAD. LOAD & PRESS TST PKR/ANNULUS @ 650 PSI HELD OK.

07/13/94 ACDZ OPEN HOLE W/10,000 GALS ACID & FLUSH. RUN 7 DAY 2000 PSI BOMB.

07/18/94 RIH W/PROD TBG. REL & POH W/PKR. ND BOP. SET TAC. NU PUMPING TREE.

07/19/94 RDMO.

ENTITY ACTION FORM - FORM 6

OPERATOR MEPNA

OPERATOR ACCT. NO. N 7370

ADDRESS _____

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	06280	43-037-15746	RATHERFORD 20-12(RE-ENTRY)	SWNW	20	41S	24E	SAN JUAN	RECOMPL 7-19-94	7-19-94
WELL 1 COMMENTS:											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)

L. CORDOVA (DOGM)

Signature

ADMIN. ANALYST

8-22-94

Title

Date

Phone No. ()

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SEP 19

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON **WELLS OF OIL, GAS & MINING**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT - " for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator **Mobil Exploration & Producing U.S. Inc.
as Agent for Mobil Producing TX & NM Inc.**

3. Address and Telephone No.

P.O. Box 633, Midland, TX 79702 (915) 688-2585

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1980' FNL, 660' FWL; SEC. 20, T41S, R24E

BILL

NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation
RATHERFORD UNIT

8. Well Name and No.
RATHERFORD UNIT 20-12

9. API Well No.
43-037-15746

10. Field and Pool, or exploratory Area
GREATER ANETH

11. County or Parish, State

SAN JUAN UT

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other **SIDETRACK**
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

05/06/94 MIRU. BLEED WELL DOWN. ND WELLHEAD, NU BOP. TIH W/BIT & SCRAPER; TAG PBTD @5758'.
05/07/94 MAKE JB/GR RUN TO 5550'. RUN GYRO SURVEY FROM 5755-0'. MEASURED DEPTH 5755'.
NORIZ DISPL 103.769; CLOSURE DIR 306.889.
05/09/94 RIH W/CMT RET & SET @ 5495'. PRESS TEST TBG & CSG TO 1000 PSI - HELD OK.
05/11/94 PUMP THRU CMT RET @ 5495' W/10,000 GALS MATROL THEN 150 SX G W/10% CALSEAL + 0.3%
HALAD 322 + 0.2% CFR-3 THEN 150 SC G W/2.5#/SK MICRO-BOND + 0.2% HALAD 322 +
0.1% CFR-3 @ 2 BPM DISP W/24.5 BBLS FW. STAGE PRESS T/2000PSI, PULL OUT OF RET.
05/12/94 RIH W/BIT & SCRAPER. TAG TOC @ 5460'. DRILL OUT CMT T/5637'. CIRC HOLE CLEAN.
05/13/94 FINISH DRLG CMT F/5637-5758'. PRESS TEST CSG T/1000 PSI - BLEED 0 PSI IN 30 MIN.
CIRC HOLE CLEAN W/FW. RUN GAMMA & CCL LOG F/5764-5000'.
05/18/94 RUN GAMMA & CORRELATE SECTION MILL ON DEPTH. CUT CSG & SECTION MILL F/5565-84'.
CIRC HOLE CLEAN.
05/19/94 FINISH SECTION MILLING 5.5" CSG F/5565-95'. CIRC HOLE CLEAN.
05/20/94 SPOT 11 BBL (60 SX) G W/ 2.5# MICROBOND + 0.5% CFR-3 MIX @ 17.0 PPG YLD 1.03 FT3/
SK F/5764-5300'. REV CIRC CLEAN. EST TOC 5400'.
05/23/94 RIH W/BIT & SCRAPER. TOC @ 5400'. DRILL OUT HAR CMT T/5542'. CIRC HOLE CLEAN.
06/29/94 RUN GAMMA RAY LOG F/5553-5300' & CORRELATE.

14. I hereby certify that the foregoing is true and correct

Signed **Shirley Scott**

Title **ENV. & REG. TECHNICIAN**

Date **9-12-94**

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

DESCRIPTION OF OPERATIONS (CONT'D)

06/30/94 PRESS TEST CSG TO 500# - OK. DRILL OUT F/5554-5575'. DISPLACED HOLE W/MUD

07/01/94 RIH W/ BIT W/ ARTICULATION SUBS + MONEL DC'S. KOP @ 5575'. DRILL CURVE F/5575-5659'.

07/02/94 FIN. DRLG CURVE F/5659-5689'. CIRC & RUN SURVEY. SLIDE DRILL 4.75" HOLE F/5689-5695'.

07/03/94 SLIDE DRLG F/5695-5736'. 95% LIME, 5% CHERT. MD=5714'; TVD=5642.61'. INCLINATION 96.80 AZIMUTH=320.60 N=128.75; WEST=153.03; VS=199.64 SHORT TRIP & BACK REAM FROM 5736' TO 5575' KOP.

07/04/94 WASH & REAM F/5689-5736' TD. SLIDE DRILL 4.75" HOLE F/5736-5813'. LIME & CHERT W/MUD.

07/05/94 SLIDE DRILL F/5813-5890'.

07/06/94 WASH & REAM F/5845-5890'. SLIDE DRILL F/5890-5988'. LAST SURVEY: MD=5962' TVD=5611.22 AZIMUTH=315.80 INCLINATION=91 DEGREES N=303.9 W=325.25 VS=445.

07/07/94 WASH & REAM F/5783-5968'. WASH & REAM F/5908-5988'. SLIDE DRILL 4.75" HOLE F/5988-6070'. 75% LIME, 15% SILSTONE, 10% CHERT. LAST SURVEY: MD=6056' TVD=5605.67 INC. 95.8 NORTH=369.55 WEST=392.19 VS=538.87

07/08/94 SEIDE DRILL F/6070-6233'. LAST SURVEY: MD=6197' TVD=5591.4 INC.=94.6 AZIMUTH=312.3 N=464.51 W=495.38 VS=679.09.

07/09/94 WASH & REAM F/6218-6233'.

07/10/94 SLIDE DRILL 4.75" HOLE F/6233-6531'. LIME & CHERT. W/MUD. LAST SURVEY: MD=6479' TVD=5584' INC=91.8 AZI=312.5 N=671.38 W=707.8 VS=975.56

07/11/94 SLIDE DRILL F/6531-6550'. CIRC & COND HOLE. RUN GAMMA RAY LOG F/6305-5450'.

07/12/94 RUN NEUTRON LOG F/6416-5584'. TIH W/PACKER & TBG. ND BOP. SET PKR @ 5437' W/20,000 # COMPRESSION. NU TBG HEAD. LOAD & PRESS TST PKR/ANNULUS @ 650 PSI HELD OK.

✓ 07/13/94 ACDZ OPEN HOLE W/10,000 GALS ACID & FLUSH. RUN 7 DAY 2000 PSI BOMB.

07/18/94 RIH W/PROD TBG. REL & POH W/PKR. ND BOP. SET TAC. NU PUMPING TREE.

07/19/94 RDMO.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT - " for such proposals

RECEIVED MAY 3 1995	FORM APPROVED Budget Bureau No. 1004-0135 Expires: March 31, 1993
	5. Lease Designation and Serial No. 14-20-0603-353
	6. If Indian, Allottee or Tribe Name NAVAJO TRIBAL
	DIV. OF OIL, GAS & MINERAL

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well

☐ Gas Well

☒ Other

INJECTOR

2. Name of Operator **Mobil Exploration & Producing U.S. Inc.
as Agent for Mobil Producing TX & NM Inc.**

3. Address and Telephone No.

P.O. Box 633, Midland, TX 79702 (915) 688-2585

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**1980' FNL, 660' FWL; SEC. 20, T41S, R24E
BHL 709' FNL, 748' FEL**

7. If Unit or CA, Agreement Designation
RATHERFORD UNIT

8. Well Name and No.

RATHERFORD UNIT 20-12

9. API Well No.

43-037-15746

10. Field and Pool, or exploratory Area

GREATER ANETH

11. County or Parish, State

SAN JUAN UT

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☐ Other

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut-Off

☒ Conversion to Injection

☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

WORK WILL COMMENCE UPON APPROVAL OF AREA WIDE PERMIT FROM EPA.

SEE ATTACHMENT

14. I hereby certify that the foregoing is true and correct

Signed

Shirley Robertson

Title

ENV. & REG. TECHNICIAN

Date

4-27-95

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

Ratherford Unit 20-12
Injection Well Conversion

AFE # 4AD6

1. Lock and tag out all power sources. Clamp off polish rod. Remove horse head. RU pump and pump lines to casing annulus and kill well with lease water.
2. MI workover rig. ND pump tee. NU and PT BOP's. POH with sucker rods and rod pump laying down same. Release tubing anchor and POH standing back production tubing.
3. RIH with 4-3/4" rock bit without nozzles and casing scraper for 5-1/2", 14 lb/ft casing on 2-7/8" tubing to 5550'. POH.
4. RIH with squeeze packer on 2-7/8" tubing and set at 5540'. PT casing to 1000 psi. If PT fails, locate and squeeze casing leak using a RBP with sand dumped on top to isolate completion interval, and 100 sxs of class B cement containing 2 percent calcium chloride. Clean out cement and retest casing string to 1000 psi. Resqueeze as necessary. Wash sand off RBP and retrieve same. POH laying down workstring.
5. RIH with a Guiberson G-6 injection packer on new 2-7/8", 6.5 lb/ft J-55 KCTS (Threadmasters Torque Ring) Fluorolined Tubing to 5515'. Reverse circulate fresh water packer fluid containing 1 percent by volume of Tretolite CRW137 corrosion inhibitor/oxygen scavenger. Set packer at 5515'. PT backside to 1000 psi. ND BOP's. NU injection head (Ken Britton with Big Red Tool at 505/325-5045).

NOTE: A. All new KCTS tubing to be torque turned to 2250 ft-lbs (Tong Rentals at 512/668-9774). All connections of seal assembly and tubing to be made up using permiserts, permetek, and Baker Super B thread compound. Supervision of make-up/running KCTS tubing from Bill Allman with Permian Enterprises at 505/632-8702.

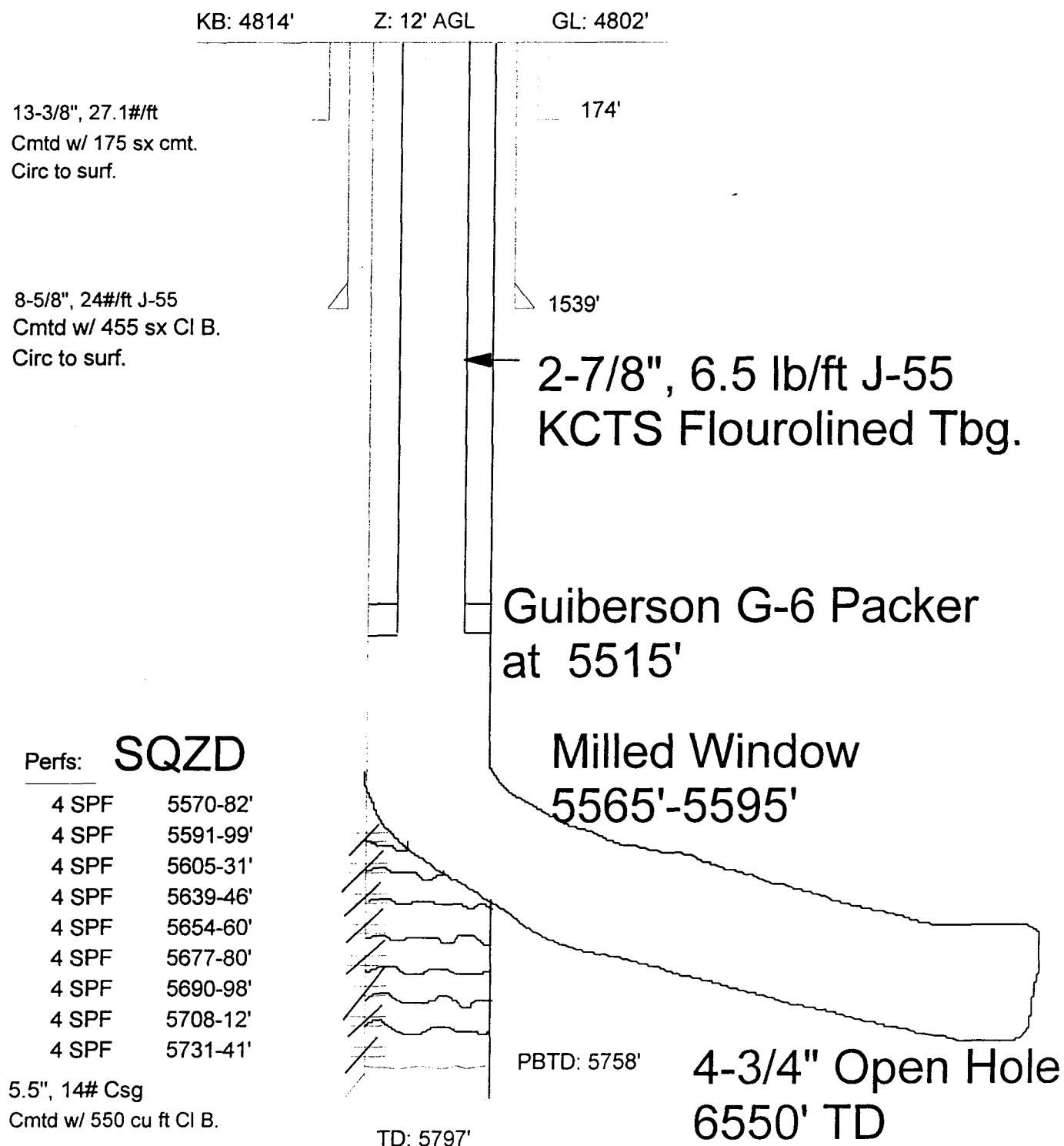
B. Rabbit tubing with 2.0" O.D. rabbit.

6. Perform Mechanical Integrity Test (MIT) for EPA. Contact Jim Walker of the Navajo EPA in Shiprock at 505/368-1040 to witness. Use chart recorder to record test. Send copies of chart to Shirley Todd, Midland - 1206 MOB, Ed Barber, Aneth, and Ratherford files. After obtaining an acceptable MIT, place well on water injection at 500 BWPD.

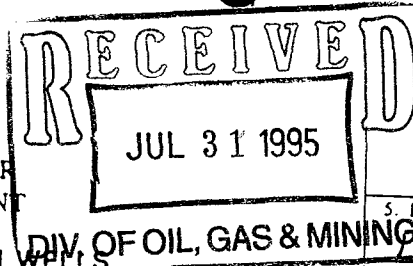
4AD6

Ratherford Unit 20-12

Proposed



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT



FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.
20-603-353

6. If Indian, Allottee or Tribe Name

NAVAJO Tribal

7. If Unit or CA, Agreement Designation

Rotherford Unit

8. Well Name and No.

20-12

9. API Well No.

43-037-15746

10. Field and Pool, or Exploratory Area

Greater Aneth

11. County or Parish, State

San Juan, Ut.

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well

☐ Gas Well

☒ Other

Injector

2. Name of Operator

MOBIL OIL CORPORATION

3. Address and Telephone No.

P.O. BOX 633, MIDLAND, TX 79702

(915)688-2585

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1980' FNL, 660' FWL, SWNW
BHL-709' FNL, 748' FEL, NENE
SEC. 20, T41S, R24E

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent

☒ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☐ Other Commenced injection

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut-Off

☐ Conversion to Injection

☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Commenced injection on 7-10-95.

14. I hereby certify that the foregoing is true and correct

Signed Shirley Robertson

Title Env. & Reg. Technician

Date 7-27-95

(This space for Federal or State office use)

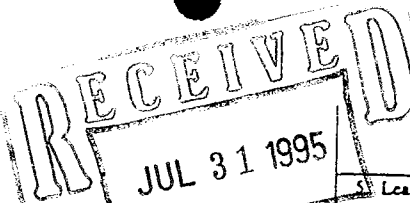
Approved by _____

Conditions of approval, if any: _____

Title _____

Date _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT



FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.

5. Lease Designation and Serial No. **20-603-353**
6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE

1. Type of Well
☐ Oil Well ☐ Gas Well ☒ Other **Injector**

2. Name of Operator
MOBIL OIL CORPORATION

3. Address and Telephone No.
P.O. BOX 633, MIDLAND, TX 79702 (915)688-2585

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
**1980' FNL, 660' FWL
BHL-709' FNL, 748' FEL
SEC. 20, T41S, R24E**

Navajo Tribal
7. If Unit or CA, Agreement Designation

Rotherford Unit
8. Well Name and No.

20-12
9. API Well No.
43-037-15746

10. Field and Pool, or Exploratory Area
Greater Aneth
11. Country or Parish, State

San Juan, Ut.

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Other Commenced injection	<input type="checkbox"/> Dispose Water

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Commenced injection on 7-10-95.

14. I hereby certify that the foregoing is true and correct

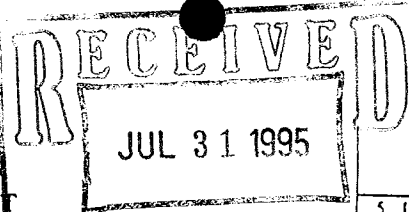
Signed **Shuley Robertson** Title **Env. & Reg. Technician** Date **7-27-95**

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any:

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT



FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

DIV OF OIL, GAS & MINING

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.
24-20-603-353

6. If Indian, Allottee or Tribe Name

NAVAJO Tribal

7. If Unit or CA, Agreement Designation

Rotherford Unit

8. Well Name and No.

20-12

9. API Well No.

43-037-15746

10. Field and Pool, or Exploratory Area

Greater Aneth

11. County or Parish, State

San Juan, Ut.

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well

☐ Gas Well

☒ Other Injector

2. Name of Operator

MOBIL OIL CORPORATION

3. Address and Telephone No.

P.O. BOX 633, MIDLAND, TX 79702

(915)688-2585

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1980' FNL, 660' FWL; OWNED
BHL-709' FNL, 748' FEL, WENE
Sec. 20, T41S, R24E

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent

☒ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☐ Other Commenced injection

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut-Off

☐ Conversion to Injection

☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Commenced injection on 7-10-95.

14. I hereby certify that the foregoing is true and correct

Signed Shirley Robertson

Title Env. & Reg. Technician

Date 7-27-95

(This space for Federal or State office use)

Approved by _____

Title _____

Date _____

Conditions of approval, if any:

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

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Use "APPLICATION FOR PERMIT - " for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other INJECTOR	5. Lease Designation and Serial No. 14-20-0603-353
2. Name of Operator Mobil Exploration & Producing U.S. Inc. as Agent for Mobil Producing TX & NM Inc.	6. If Indian, Allottee or Tribe Name NAVAJO TRIBAL
3. Address and Telephone No. P.O. Box 633, Midland, TX 79702 915-688-2585	7. If Unit or CA, Agreement Designation RATHERFORD UNIT
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1980' FNL, 660' FWL SEC. 20, T41S, R24E BHL 709' N, 748' E OF SURFACE LOCATION	8. Well Name and No. RATHERFORD 20-12
	9. API Well No. 43-037-15746
	10. Field and Pool, or exploratory Area GREATER ANETH
	11. County or Parish, State SAN JUAN UT

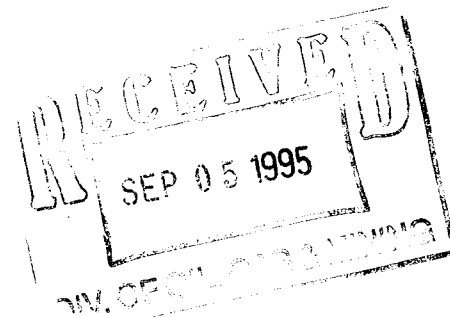
12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input checked="" type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Other	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

06-23-95 MIRU POOH W/TBG. RIH W/BIT & CS.
06-26-95 LOAD CSG W/FW, CIRC CLEAN, PRESS TEST CSG TO 1000 PSI/30 MIN/OK.
06-27-95 CUT CSG HEAD OFF. ADD TO 5 1/2" CSG W/ 11" X 3000# X 7 1/16" X 3000# CSG HEAD, & 7" X 2 7/8" KTH. TEST HEAD TO 1000#/30 MIN/OK.
06-28-95 RIH W/174 JTS 2 7/8" KCTS. SET PKR AT 5522'. FILL CSG W/PKR FLUID. PRESS TEST CSG TO 1000 PSI/30 MIN/OK. RDMO.
07--07-95 POOH W/ 190 JTS 2 7/8" TBG 8RD EUE RIH W/190 JTS TO 5590'.



14. I hereby certify that the foregoing is true and correct

Signed <u>Shirley Robertson</u>	Title <u>ENV. & REG. TECHNICIAN</u>	Date <u>8-31-95</u>
(This space for Federal or State office use)		
Approved by _____	Title _____	Date <u>Tax credit 6/30/95</u>
Conditions of approval, if any:		

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

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SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other INJECTOR

2. Name of Operator Mobil Exploration & Producing U.S. Inc.
as Agent for Mobil Producing TX & NM Inc.

3. Address and Telephone No.

P.O. Box 633, Midland, TX 79702 915-688-2585

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1980' FNL, 660' FWL
SEC. 20, T41S, R24E
BHL 709' N, 748' E OF SURFACE LOCATION

FORM APPROVED

Budget Bureau No. 1004-0135

Expires: March 31, 1993

5. Lease Designation and Serial No.

14-20-0603-353

6. If Indian, Allottee or Tribe Name

NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation

RATHERFORD UNIT

8. Well Name and No.

RATHERFORD 20-12

9. API Well No.

43-037-15746

10. Field and Pool, or exploratory Area

GREATER ANETH

11. County or Parish, State

SAN JUAN UT

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

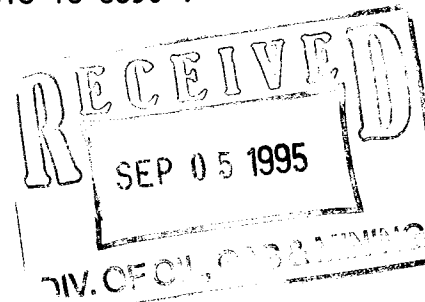
TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other _____
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☒ Conversion to Injection
☐ Dispose Water

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06-23-95 MIRU POOH W/TBG. RIH W/BIT & CS.
06-26-95 LOAD CSG W/FW, CIRC CLEAN, PRESS TEST CSG TO 1000 PSI/30 MIN/OK.
06-27-95 CUT CSG HEAD OFF. ADD TO 5 1/2" CSG W/ 11" X 3000# X 7 1/16" X 3000# CSG HEAD, & 7" X 2 7/8" KTH. TEST HEAD TO 1000#/30 MIN/OK.
06-28-95 RIH W/174 JTS 2 7/8" KCTS. SET PKR AT 5522'. FILL CSG W/PKR FLUID. PRESS TEST CSG TO 1000 PSI/30 MIN/OK. RDMO.
07--07-95 POOH W/ 190 JTS 2 7/8" TBG 8RD EUE RIH W/190 JTS TO 5590'.



14. I hereby certify that the foregoing is true and correct

Signed

Shirley Robertson

Title ENV. & REG. TECHNICIAN

Date 8-31-95

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

☐ **Well File** _____
 (Location) Sec _____ Twp _____ Rng _____
 (API No.) _____

☐ **Suspense** _____
 (Return Date) _____
 (To - Initials) _____

☒ **Other**
 OPER NM CHG _____

1. Date of Phone Call: 8-3-95 Time: _____

2. DOGM Employee (name) L. CORDOVA (Initiated Call ☐)
 Talked to:

Name R. J. FIRTH (Initiated Call ☒) - Phone No. () _____
 of (Company/Organization) _____

3. Topic of Conversation: M E P N A / N7370

4. Highlights of Conversation: _____

OPERATOR NAME IS BEING CHANGED FROM M E P N A (MOBIL EXPLORATION AND PRODUCING
NORTH AMERICA INC) TO MOBIL EXPLOR & PROD. THE NAME CHANGE IS BEING DONE AT
THIS TIME TO ALLEVIATE CONFUSION, BOTH IN HOUSE AND AMONGST THE GENERAL PUBLIC.
*SUPERIOR OIL COMPANY MERGED INTO M E P N A 4-24-86 (SEE ATTACHED).

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

1- <u>LFC</u>	7- <u>PL</u>
2- <u>LWP</u>	8- <u>SJ</u>
3- <u>BTS</u>	9- <u>FILE</u>
4- <u>VLC</u>	
5- <u>RJF</u>	
6- <u>LWP</u>	

Attach all documentation received by the division regarding this change.
 Initial each listed item when completed. Write N/A if item is not applicable.

- ☐ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ☒ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 8-2-95)

TO (new operator) **MOBIL EXPLOR & PROD**
 (address) **C/O MOBIL OIL CORP**
PO DRAWER G
CORTEZ CO 81321
 phone (303) **564-5212**
 account no. **N7370**

FROM (former operator) **M E P N A**
 (address) **C/O MOBIL OIL CORP**
PO DRAWER G
CORTEZ CO 81321
 phone (303) **564-5212**
 account no. **N7370**

Well(s) (attach additional page if needed):

Name: ** SEE ATTACHED **	API: <u>037-15746</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- N/A 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form).
- N/A 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) ____ If yes, show company file number: _____.
- N/A 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
- Yes 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (8-3-95)
- LWP 6. Cardex file has been updated for each well listed above. 8-31-95
- LWP 7. Well file labels have been updated for each well listed above. 9-28-95
- Yes 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (8-3-95)
- Yes 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- See 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) ____ (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only) ** No Fee Lease wells at this time!*

- N/A See 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- ____ 2. A copy of this form has been placed in the new and former operators' bond files.
- ____ 3. The former operator has requested a release of liability from their bond (yes/no) ____.
Today's date _____ 19____. If yes, division response was made by letter dated _____ 19____.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any **fee lease** well listed above has been notified by letter dated _____ 19____, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- N/A 2. Copies of documents have been sent to State Lands for changes involving **State leases**.

FILMING

- ✓ 1. All attachments to this form have been microfilmed. Date: October 6 1995.

FILING

- ____ 1. Copies of all attachments to this form have been filed in each well file.
- ____ 2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

950803 LIC F5/Not necessary!

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
 355 West North Temple, 3 Triad, Suite 350, Salt Lake City, UT 84180-1203

Page 15 of 22

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

C/O MOBIL OIL CORP
 M E P N A
 PO DRAWER G
 CORTEZ CO 81321

UTAH ACCOUNT NUMBER: N7370

REPORT PERIOD (MONTH/YEAR): 6 / 95

AMENDED REPORT ☐ (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)
#18-13								
4303715734	06280	41S 24E 18	PRDX					
#19-12								
4303715739	06280	41S 24E 19	PRDX					
#19-14								
4303715740	06280	41S 24E 19	DSCR					
RATHERFORD UNIT 19-32 (RE-ENTRY)								
4303715743	06280	41S 24E 19	DSCR					
RATHERFORD UNIT 19-34 (RE-ENTRY)								
4303715744	06280	41S 24E 19	DSCR					
RATHERFORD 20-12 (RE-ENTRY)								
4303715746	06280	41S 24E 20	DSCR					
RATHERFORD UNIT 20-14 (RE-ENTRY)								
4303715747	06280	41S 24E 20	DSCR					
RATHERFORD UNIT 20-32 (RE-ENTRY)								
4303715749	06280	41S 24E 20	DSCR					
RATHERFORD 20-34 (RE-ENTRY)								
4303715750	06280	41S 24E 20	DSCR					
#21-12								
4303715752	06280	41S 24E 21	DSCR					
RATHERFORD UNIT 21-14 (RE-ENTRY)								
4303715753	06280	41S 24E 21	DSCR					
#21-32								
4303715755	06280	41S 24E 21	DSCR					
#21-34								
4303715756	06280	41S 24E 21	DSCR					
TOTALS								

COMMENTS: _____

I hereby certify that this report is true and complete to the best of my knowledge.

Date: _____

Name and Signature: _____

Telephone Number: _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT - " for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other

2. Name of Operator

MOBIL PRODUCING TX & NM INC.*
*MOBIL EXPLORATION & PRODUCING US INC. AS AGENT FOR MPTM

3. Address and Telephone No.

P.O. Box 633, Midland TX 79702 (915) 688-2585

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SEC. 20, T41S, R24E
1980' FNL & 660' FWL
BHL-709 FNL & 748 FEL

FORM APPROVED

Budget Bureau No. 1004-0135
Expires: March 31, 1993

5. Lease Designation and Serial No.

14-20-603-353

6. If Indian, Allottee or Tribe Name

NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation

RATHERFORD UNIT

8. Well Name and No.

RATHERFORD 20-12

9. API Well No.

43-037-15746

10. Field and Pool, or exploratory Area

GREATER ANETH

11. County or Parish, State

SAN JUAN UT

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

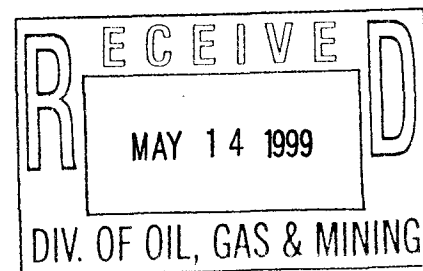
TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other MIT CHART
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

SEE ATTACHED CHART.



14. I hereby certify that the foregoing is true and correct

Signed

Shirley Houchins

Title SHIRLEY HOUCHINS/ENV & REG TECH

Date 5-12-99

(This space for Federal or State office use)

Approved by

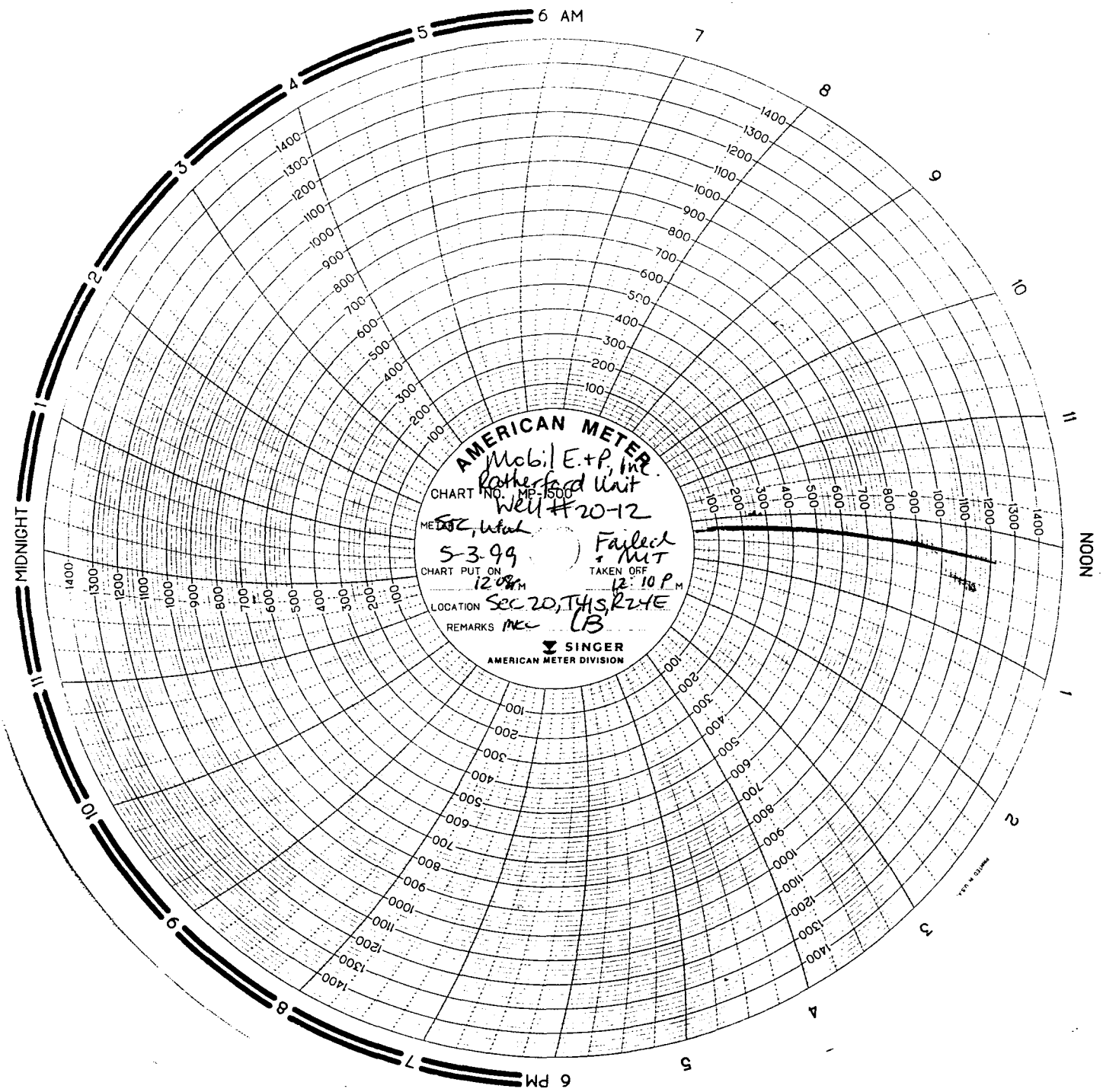
Title

Date

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

* See Instruction on Reverse Side



AMERICAN METER

Mobil E. + P. Inc.
Rutherford Unit
Well #20-12

5-3-99
CHART PUT ON 12:00 PM
TAKEN OFF 12:10 PM

LOCATION Sec 20, T4S, R24E

REMARKS MCC LB

SINGER
AMERICAN METER DIVISION

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED
Budget Bureau No. 1004-0195
Expires November 30, 2000

5. Lease Serial No.

14-20-603-353

6. If Indian, Allottee or Tribe Name

NAVAJO TRIBAL

7. If Unit or CA/Agreement, Name and/or No.

RATHERFORD UNIT

8. Well Name and No.

RATHERFORD 20-W-12

9. API Well No.

43-037-15746

10. Field and Pool, or Exploratory Area

GREATER ANETH

11. County or Parish, State

SAN JUAN UT

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other

2. Name of Operator

**MOBIL PRODUCING TX & NM INC.*
*MOBIL EXPLORATION & PRODUCING US INC. AS AGENT FOR MPTM**

3a. Address

P.O. Box 633, Midland TX 79702

3b. Phone No. (include area code)

(915) 688-2585

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**SEC. 20, T41S, R24E
1980' FNL & 660' FWL
LATERAL #1 BHL: 709' FNL & 748' FEL**

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

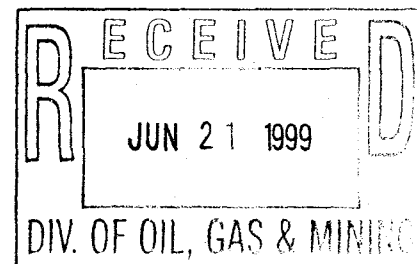
- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- | | | | |
|---|---|--|---|
| <input type="checkbox"/> Acidize | <input type="checkbox"/> Deepen | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Alter Casing | <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Reclamation | <input type="checkbox"/> Well Integrity |
| <input checked="" type="checkbox"/> Casing Repair | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete | <input type="checkbox"/> Other _____ |
| <input type="checkbox"/> Change Plans | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon | |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back | <input type="checkbox"/> Water Disposal | |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

SEE ATTACHED PROCEDURE FOR CASING REPAIR.



14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

SHIRLEY HOUCHINS

Title

ENVIRONMENTAL & REGULATORY TECHNICIAN

Date

6-17-99

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

Casing Leak Repair

14. If casing leaks, consider running inspection log if injection rate is below $\frac{1}{4}$ bpm. See step 20 to TA well. POH w/packer and dump bail 20 ft of sand on top of RBP. RIH w/bit and set 50 ft above leak. Use slurry below for squeeze job, however, if the injection rate is below $\frac{1}{4}$ bpm, a micro-cement slurry should be used instead. (This can be done with a retainer in lieu of a packer).

Confer with engineer on volumes before job.

Cement Slurry: 25 sx Class 'B' + 0.1% D65 (dispersant)

Density: 15.6 ppg
Yield: 1.19 ft³/sk

Begin pumping 5 bbl fresh water ahead of cement slurry.

- ✓ Pump 25 sx (1 bbl for inside of casing and 3 bbl for behind pipe) while maintaining 500 psi on backside during job.
- ✓ Begin pumping fresh water displacement down to top of bit, 0.00579 bbl/ft.
- ✓ PU 2 stands and shut down for 1 hour. Continue to wash down reversing out cement without allowing cement to develop compressive strength. This should minimize nodes that develop on the casing wall and improve squeeze success.
- ✓ Wash down to top of RBP, reversing out sand. POH w/bit and PU retrieving tool for RBP.

15. RIH w/retrieving tool on workstring. Release RBP and POH. PU gauge ring and RIH on workstring.

Running New Packer

16. RU Campbell Testers to test connections using nitrogen. RIH w/ 2-7/8", 6.5#, J55, 8rd Fluorlined KC Convertible CL injection tubing, testing to 3500 psi as follows:

- 5-1/2" x 2-3/8" packer w/wireline reentry guide and pump out plug
- 5-1/2" x 2-3/8" x 1.81" "F" On/off tool
- XO's as needed
- +/-174 jt 2-7/8" Fluorlined KC Convertible CL tubing
- 2-7/8" Fluorlined KC Convertible CL tubing subs as needed to space out
- 1 jt 2-7/8" Fluorlined KC Convertible CL landing jt

17. Release from on/off tool and circulate packer fluid. Latch back onto packer. ND BOP's/NU WH. Space out as needed. Pump out plug in packer.

18. Test again down annulus to 1000 psi. Run MIT test and chart. Send original to Sue Mosley and keep copy for records.

Temporarily Abandoning well

19. To TA well, POH w/RBP. RIH w/CIBP and set 50 ft above top of leak. Dump bail 1 sx of cement on top of CIBP. Lay down all equipment. Run MIT test and chart.

20. RDMO.

RATHERFORD UNIT # 20-W-12

GREATER ANETH FIELD

Surface Location: 1980' FNL, 660' FWL

BH Location: 709' N & 748' W of Surf. Loc.

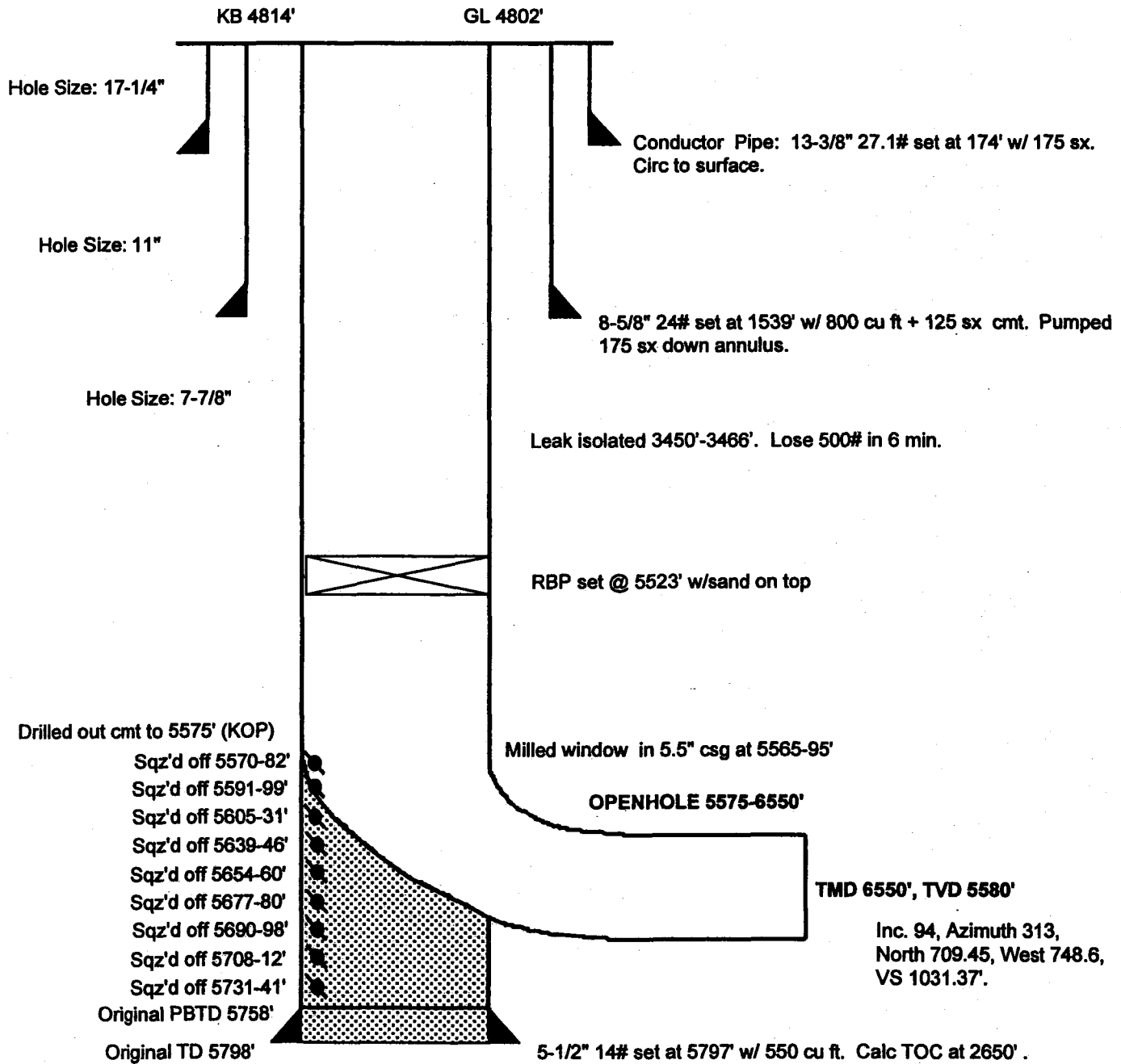
SEC 20-T41S-R23E

SAN JUAN COUNTY, UTAH

API 43-037-15746

PRISM 0043092

INJECTOR



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
☐ Oil Well ☐ Gas Well ☒ Other

INJECTOR

2. Name of Operator
MOBIL PRODUCING TX & NM INC.*
*MOBIL EXPLORATION & PRODUCING US INC. AS AGENT FOR MPTM

3a. Address
P.O. Box 633, Midland TX 79702

3b. Phone No. (include area code)
(915) 688-2585

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SEC. 20, T41S, R24E
1980' FNL & 660' FWL

5. Lease Serial No.

14-20-603-353

6. If Indian, Allottee or Tribe Name

NAVAJO TRIBAL

7. If Unit or CA/Agreement, Name and/or No.

RATHERFORD UNIT

8. Well Name and No.

RATHERFORD 20-W-12

9. API Well No.

43-037-15746

10. Field and Pool, or Exploratory Area

GREATER ANETH

11. County or Parish, State

SAN JUAN UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

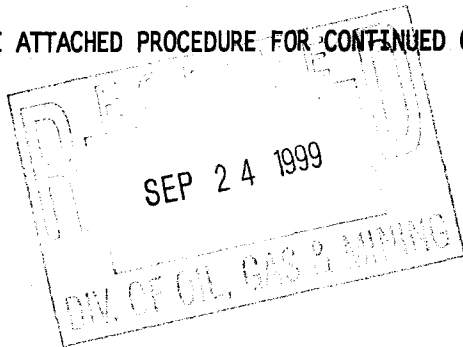
TYPE OF ACTION

- | | | | |
|---|---|--|---|
| <input type="checkbox"/> Acidize | <input type="checkbox"/> Deepen | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Alter Casing | <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Reclamation | <input type="checkbox"/> Well Integrity |
| <input checked="" type="checkbox"/> Casing Repair | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete | <input type="checkbox"/> Other _____ |
| <input type="checkbox"/> Change Plans | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon | |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back | <input type="checkbox"/> Water Disposal | |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

SUNDRY APPROVED 6-30-99 (WORK 8-18-99 -- 9-02-99) FAILED MIT:

SEE ATTACHED PROCEDURE FOR CONTINUED CASING REPAIR.



14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Title

SHIRLEY HOUCHINS/ENV & REG TECH

Date 9-21-99

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

Ratherford Unit #20-12
Repair Annular Pressure

Workover Procedure

1. There is a casing leak between 3450'-3466'. Two previous squeeze attempts have been unsuccessful. Hole was worked on 06/99 w/11.6 ppg mud. Well was left 09/02/99 with injection equipment in the hole.
2. MIRU slickline. Set 1.81" "F" plug in on/off profile at +/-5490'. Bleed off tubing. MIRU DDPU. ND wellhead/NU BOP's and test using chart.
3. Release from XL on/off tool at 5490'. Tally out of hole w/injection tbg as follows. LD 1.87" profile nipple. Coordinate with Guiberson and LD length of tubing equivalent to OA length of "Retrievable Casing Patch" (RCP):
 - ⇒ 1 jt 2-7/8" CL landing jt
 - ⇒ 6' x 2-7/8" CL tubing sub
 - ⇒ 173 jt 2-7/8" CL tubing
 - ⇒ 2-7/8" x 2-3/8" XO, KCTS
 - ⇒ 2-3/8" x 1.87" "F" profile nipple @ 5488'
 - ⇒ 5-1/2" x 2-3/8" XL on/off tool overshot @ 5490'
 - ⇒ LEFT IN HOLE
 - ⇒ 2-3/8" x 1.81" "F" On/off tool seal nipple
 - ⇒ 5-1/2" x 2-3/8" G-6 packer w/wireline reentry guide @ 5494'
4. Begin RIH w/on/off overshot on injection tubing. RCP will be made up on tubing while RIH. Guiberson is to furnish 4" ABFL4S "patch pipe", tubing to run inside the patch and any XO's. Assembly will be +/-80' long. Test tubing to 3500 psi while RIH.
5. RIH to top of on/off tool and tag. PU +/-5'. Rotate 1/4 turn to left to set bottom slips and pack off lower packer. Slack off 12-15K to set top slips and pack off upper packer. Rotate 6-8 rounds to the right to disengage upper ratchet and allow free tubing movement. Re-engage on/off tool.

6. Test annulus to 1000 psi. If there is no leak off, ND BOP's/NU WH. Space out as needed. MIRU slickline. Retrieve 1.81" "F" plug.
7. Retest annulus. If there is no leak off, RDMO.
8. *Call Navajo EPA 72 hours prior to conducting MIT. They should be on location to witness MIT. If it is not possible to give 72 hours notice, test well prior to RDMO and inform Production of need to schedule MIT w/Regulatory agencies. Remember that the clock starts from the time they receive notice, not from the time you talk to the answering machine. Document the occurrence and results of all conversations in morning reports. Run MIT test and chart. Send original to Sue Moseley and keep copy for records*

GENERAL AREA REQUIREMENTS

1. ALL SAFETY GUIDELINES WILL BE FOLLOWED. INCLUDING PERSONAL PROTECTIVE EQUIPMENT; HARD HATS, ANSI BOOTS, AND SAFETY GLASSES WITH SIDE SHIELDS ARE REQUIRED. OTHER COMMON MISTAKES ARE RIG HANDRAILS NEED TO BE UP, LOCATIONS NEED TO BE NEAT AND ORDERLY, AND ALL VENDORS MUST HAVE ALL SAFETY TRAINING UP TO DATE INCLUDING DOCUMENTATION ON LOCATION. HYDRIL BOPS WILL BE USED ANY TIME SOMETHING IS IN THE WELL THAT THE BOP CANNOT CLOSE AROUND INCLUDING DRILL COLLARS AND SUB PUMPS.

2. NOTIFICATIONS - MUST BE NOTIFIED FOR LARGE SPILLS, WATER OR OIL > 10 BBLs

Note: All Mobil Drilling Supervisors

If spill occurs, take various pictures of spill before and after clean-up. Make sure all angles of spill are photographed.

Supervisors are to notify Jerry Orndorff and Mobil EHS Tech ONLY --- Allow tech to notify appropriate agencies.

MOBIL DRILLING SUPT - JERRY ORNDORFF	-	915/688-1648
MOBIL WCT ENGINEER - RICK ADAMS	-	915-688-1782

MUST BE NOTIFIED FOR ANY ACCIDENTS UP TO AND INCLUDING LOST TIME;

MOBIL DRILLING SUPT - JERRY ORNDORFF	-	915/688-1648
EHS ADVISOR- SCOTT McLaurin	-	915/688-2213

CASING LEAK RIG-UPS, SQUEEZE NOTIFICATIONS, AND QUESTIONS ABOUT PRESSURE TEST REQUIREMENTS;

BLM - 505/599-8907, NOTIFY 72 HOURS BEFORE SQUEEZE SO THEY CAN WITNESS IF THEY WANT

IF CASING LEAK IS A SUPRISE (WASN'T EXPECTED), DISCUSS PLAN WITH THE ENGINEER. THEN CALL WAYNE TOWNSEND 505/599-6359 AND DISCUSS THE PROBLEM AND PLAN. ENGINEER WILL PREPARE A DOCUMENTATION PROCEDURE TO SEND TO SHIRLEY HOUCHINS

3. WELL CONTROL. WELL SUBSEQUENTLY CONTROLLED WITH FRESH WATER, CLEAN 10# BRINE, HEAVY SALT MUD CaCl_2 UP TO 11.6# w/0.1% Safebreak CBF, PARTICULATE CaCO_3 MUD UP TO 12.6, AND BARITE MUD ABOVE 12.6#. FOR THE TIME BEING, WE ARE AVOIDING SNUBBING UNITS.
4. RIG SUPERVISORS WILL MAKE EVERY ATTEMPT TO ENHANCE RELATIONSHIPS WITH LOCALS AND VENDORS, WITHOUT SIGNIFICANTLY IMPACTING COSTS. OBEY AND ENCOURAGE ALL YOU WORK WITH TO BE COURTEOUS AND STRICTLY OBEY SPEED LIMITS ON LEASE ROADS.

5. CASING LEAK SQUEEZES WILL BE DONE WITH CLASS G NEAT. SUCCESS RATE WITH THIS CEMENT FROM HALLIBURTON IS 80%. OTHER TECHNIQUES AND COMPANIES WILL NOT BE USED AS LONG AS SUCCESS RATE CONTINUES. INJECTORS HAVE TO PASS 1000#/30 MINS, PRODUCERS 500#/30 MINS. DO NOT TEST UNLESS YOU SUSPECT LEAK.

A. FOR SHALLOW LEAKS WITH NO CEMENT ON CASING ANNULUS, CONSIDER CUTTING OUT THE BAD SECTION OF PIPE, POH, AND TIE BACK AND CEMENT A NEW SECTION OF CASING.

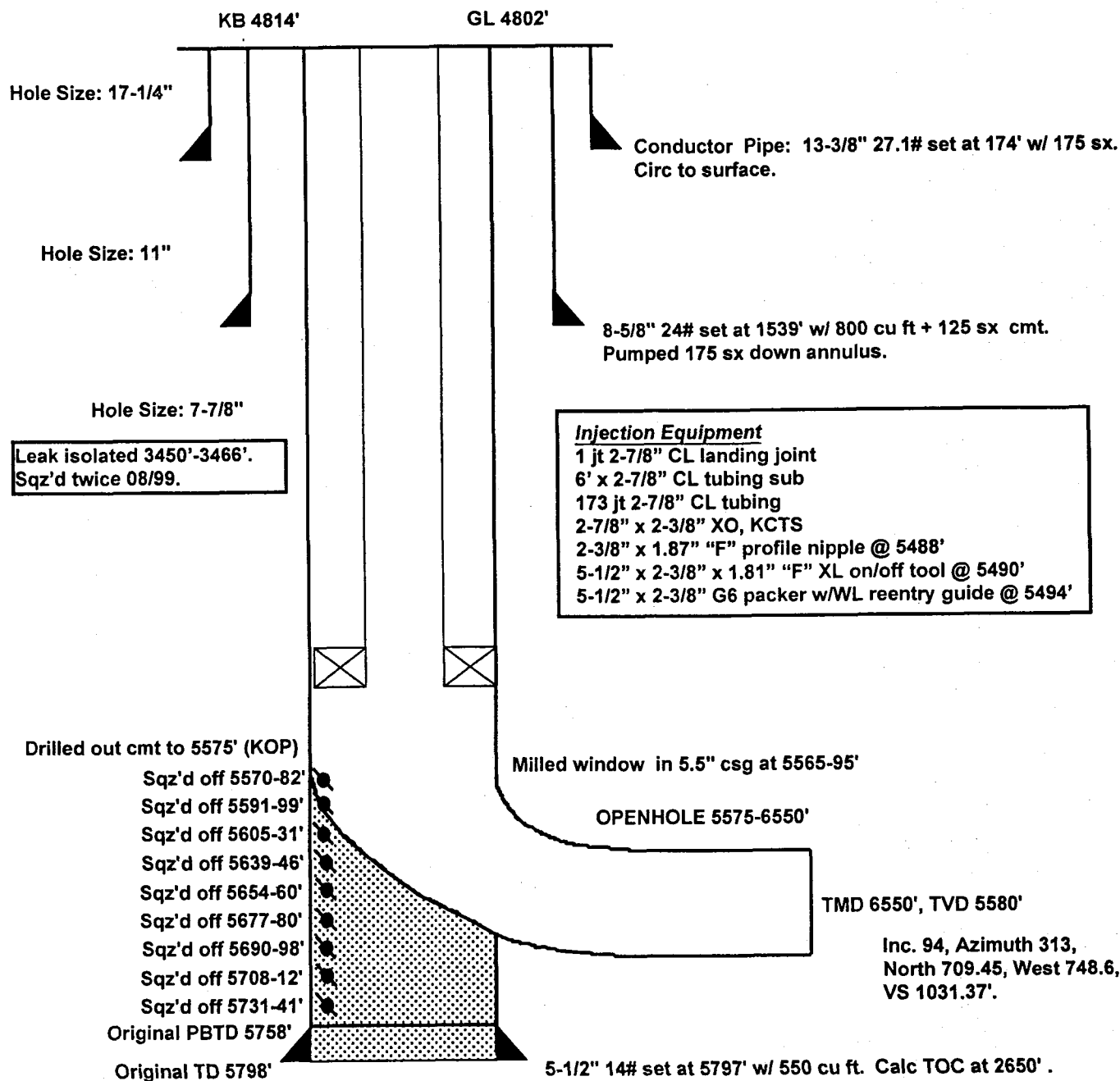
B. FOR BLEED OFF LEAKS, SPOT CEMENT ACROSS AND ABOVE LEAK, PRESSURE UP TO 1500# UNTIL SQUEEZES. POH, SI BLINDS AND RE-PRESSURE UP TO 1500# SION W/PRESSURE ON SQUEEZE.

C. FOR EIR > 0.5 BPM AND LEAKS DEEPER THAN 1000' USE CMT RETAINER, SAME CEMENT. DO NOT DO NOT FAIL TO CALL OUT ENOUGH CEMENT TO SQUEEZE THE LEAK. THE EXTRA COST OF THE BULK CEMENT IS EASILY JUSTIFIED VS. THE COST OF A FAILED SQUEEZE DUE TO NOT ENOUGH CEMENT.

6. NOTIFY OPERATIONS PERSONNEL OF ANY WORK IMPACTING THEM. THIS INCLUDES ANY EMERGENCY INJECTOR SHUT-INS. DO NOT TURN PRODUCTION WELLS BACK ON, LEAVE THIS TO THE OPERATIONS PEOPLE SO THEY CAN BE SURE ALL SAFETY SHUT-DOWNS ARE ACTIVE, AND THAT SURFACE FACILITIES ARE READY FOR THE PRODUCTION. KEEP TRACK OF YOUR OWN TUBING AND OTHER MATERIALS YOU WILL NEED TO DO THE WORK.

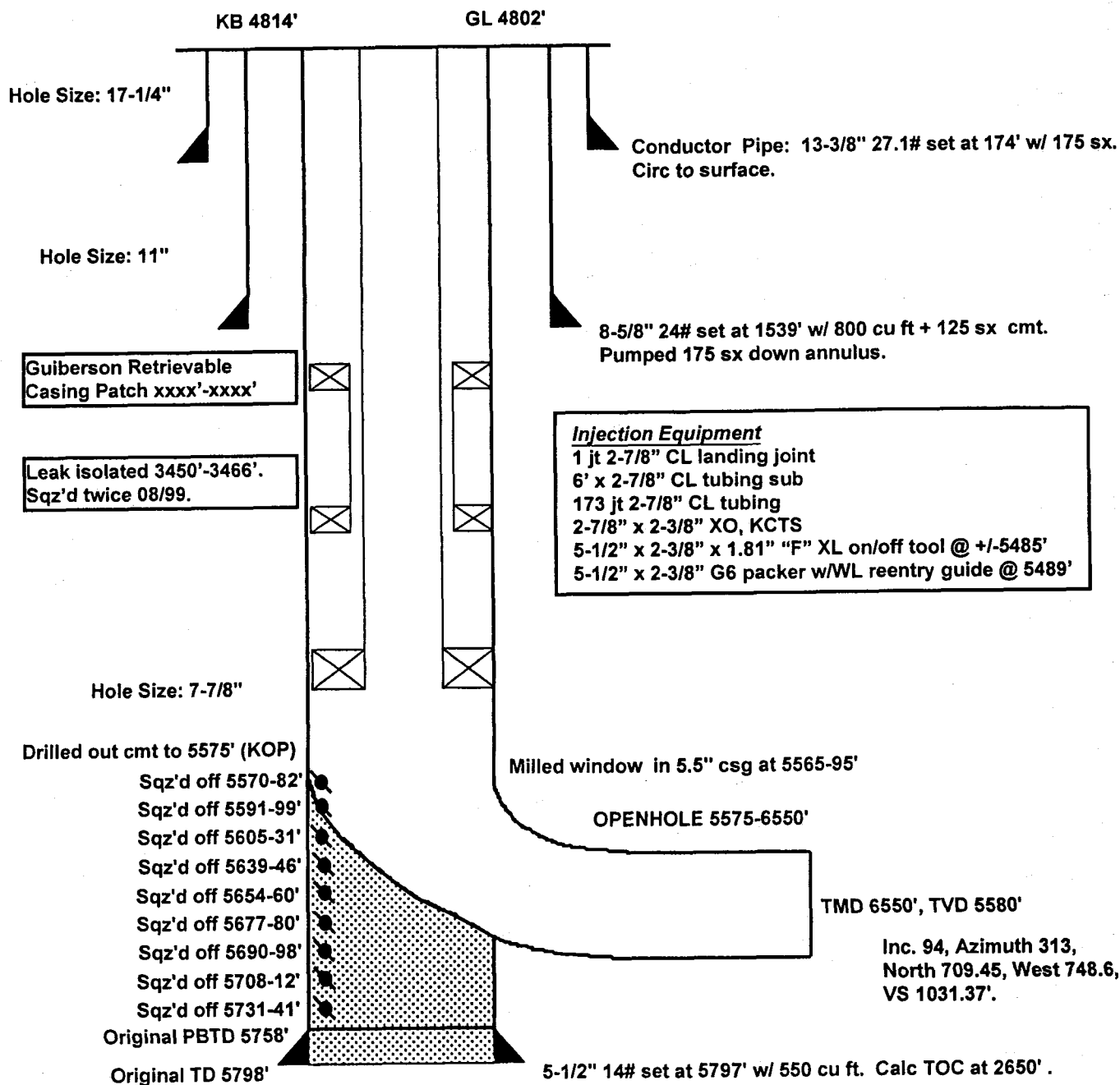
RATHERFORD UNIT # 20-W-12
GREATER ANETH FIELD
 Surface Location: 1980' FNL, 660' FWL
 BH Location: 709' N & 748' W of Surf. Loc.
SEC 20-T41S-R23E
SAN JUAN COUNTY, UTAH
API 43-037-15746
PRISM 0043092

INJECTOR
Current



RATHERFORD UNIT # 20-W-12
GREATER ANETH FIELD
 Surface Location: 1980' FNL, 660' FWL
 BH Location: 709' N & 748' W of Surf. Loc.
SEC 20-T41S-R23E
SAN JUAN COUNTY, UTAH
 API 43-037-15746
 PRISM 0043092

INJECTOR
Proposed



Packer Type 'RCP' Retrievable Casing Patch

Guiberson • AVA

DRESSER

Description:

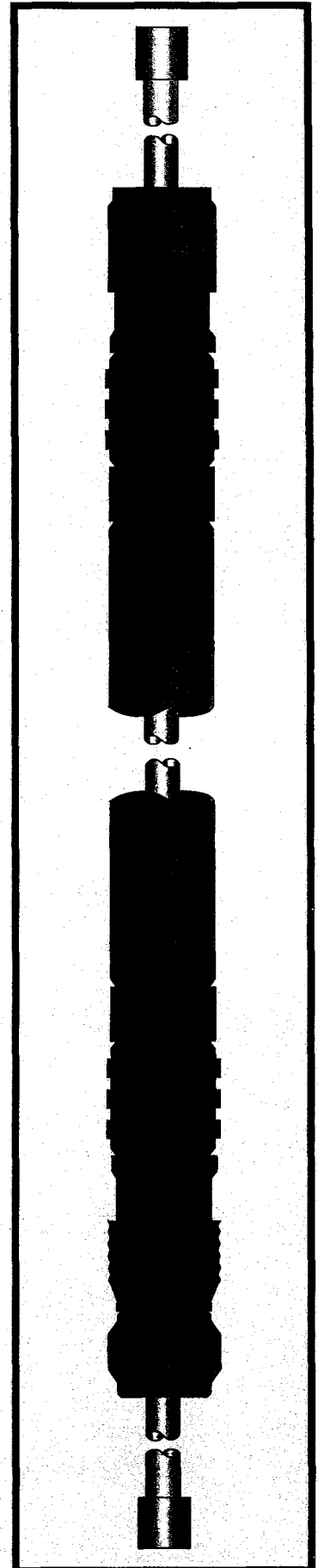
The Guiberson AVA Retrievable Casing Patch 'RCP' can provide a fast, safe, and economical method of casing repair for either permanent or temporary applications. The system was designed to maintain a tubing/casing annulus for production and testing applications. The 'RCP' has been used successfully in Producing (Flowing, Pumping, Gas Lift, and Plunger Lift Wells) as well as Injection and Disposal Wells.

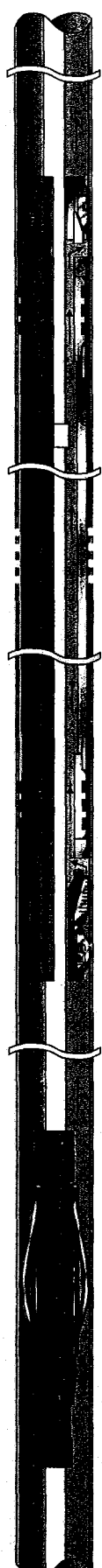
Applications:

- Repair Casing Leaks
- Shut Off Unwanted Perforations
- Provide a Competent Annulus for Production
- Repair Long Intervals
- Injection Wells
- Producing Wells: *Pumping*
 Flowing
 Gas or Plunger Lift

Features:

- Single Trip Run-In
- No Permanent Loss in Casing I.D.
- Patch is Tubing Retrievable, Independent of Lower Packer / Anchor
- Can Span Long Intervals Easily and Economically
- Elastomers can be Matched to Well Conditions
- Packing Elements Allow Usage at Great Depths
- Various Slip Arrangements Available





The Packer-Type **Retrievable Casing Patch** consists of upper and lower packer assemblies. Each contains fluid entry ports to maintain annular communication. The patch system can be any length. The operator simply adds additional patch casing to cover the designated interval. Patch casing can be any common oilfield tubular with useable outside diameter and inside diameter measurements, and with adequate pressure ratings. This sometimes means running an integral joint tubing or patch casing to improve clearances.

Once the **RCP** is set and in place the tubing can be rotated and reciprocated to set a packer or tubing anchor for production or injection purposes.

The system is fully retrievable and results in no permanent loss in casing internal diameter. It is retrieved simply by pulling the tubing string. This allows for easily changing the setting depth or the length (by adding patch casing) when needed.

The Guiberson AVA Packer Type Retrievable Casing Patch is an excellent alternative to costly squeeze cementing operations, and in many cases, can provide a quick and easy way to get a well repaired and back on production. The next time you have a casing leak, remember Guiberson AVA's Packer Type Retrievable Casing Patch as an economical solution to your problems.

... People, Products, Performance!



Guiberson AVA Division
P.O. Box 210700
Dallas, Texas 75211-0700
(214) 331-3313
FAX: (214) 331-9451
TELEX: 163550 GUIBINT UT

**Producing
Well**



**Injection
Well**

Order Code: 5343-1

Litho in U.S.A. 494 5M

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
☐ Oil Well ☐ Gas Well ☒ Other

2. Name of Operator **MOBIL PRODUCING TX & NM INC.***
***MOBIL EXPLORATION & PRODUCING US INC. AS AGENT FOR MPTM**

3a. Address
P.O. Box 633, Midland TX 79702

3b. Phone No. (include area code)
(915) 688-2585

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SEC. 20, T41S, R24E
1980' FNL & 660' FWL
LATERAL #1 BHL: 709' FNL & 748' FEL

FORM APPROVED
Budget Bureau No. 1004-0135
Expires November 30, 2000

5. Lease Serial No.

14-20-603-353

6. If Indian, Allottee or Tribe Name

NAVAJO TRIBAL

7. If Unit or CA/Agreement, Name and/or No.

RATHERFORD UNIT

8. Well Name and No.

RATHERFORD 20-W-12

9. API Well No.

43-037-15746

10. Field and Pool, or Exploratory Area
GREATER ANETH

11. County or Parish, State

SAN JUAN UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

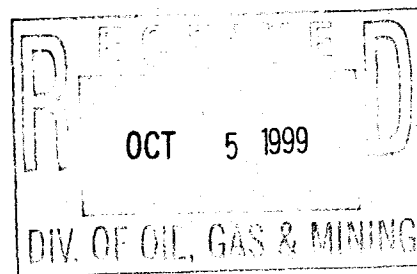
- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- | | | | |
|---|---|--|---|
| <input type="checkbox"/> Acidize | <input type="checkbox"/> Deepen | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Alter Casing | <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Reclamation | <input type="checkbox"/> Well Integrity |
| <input checked="" type="checkbox"/> Casing Repair | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete | <input type="checkbox"/> Other _____ |
| <input type="checkbox"/> Change Plans | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon | |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back | <input type="checkbox"/> Water Disposal | |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

SEE ATTACHED (8-18-99 -- 9-02-99). SUBSEQUENT REPORT FOR SUNDRY
APPROVED 6-30-99. SUSPENDED OPERATIONS.



14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

SHIRLEY HOUCHINS

Title

ENVIRONMENTAL & REGULATORY TECHNICIAN

Date **9-30-99**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

ATTACHMENT - FORM 3160-5
RATHERFORD UNIT - WELL #20-W-12
14-20-603-353
NAVAJO TRIBAL
SAN JUAN, UTAH

08-18-99 MIRU MONTEZUMA #15. DDPU & PUMP & PIT. SIP 0#, INSTALLED BOP/HYDRIL FUNCTION TEST STACK. PU 5.5" PKR TO 3443', SET PKR. LOCATED 5.5" CSG LEAK @ 3450-3466', SWISDFN & THURSDAY, WO/DOWELL TO SQZ.

08-19-99 SI/WO/DOWELL/SCHL TO SQZ 5.5" CSG LEAK

08-20-99 UNABLE TO GET NAVAJO EPA TILL 9:10 ABOUT MIRU CSG LEAK TALKED TO CHARMAIN HESTEN. SPOT IN CMT EQUIP. & RIG UP DOWELL. REL PKR TRIP FOR 5.5" ARROW CMT. RET. SET @ 3409' STUNG OUT DOWELL MIXED 15SX SQZ. CREAT @14# YIELD 1.61 TAILED W/ 25SX CL "B" CMT + 3/10% D60 + .15 D65 MIXED @ 15.6# YIELD 1.19 SPOT W/ PSI TRAP ON BACK SIDE TO EOT STUNG INTO RET. SQZ. .3 BBLS INTO LEAK @ 2460# BROKE BACK TO STAGED SQZ. TO 2250# WHEN TAIL CMT HIT FORM. HELD 5-MIN. PO REV. OUT, POOH W/ STRINGER SWISDFN.

08-21-99 SHUT-IN WOC

08-22-99 SHUT-IN SUNDAY

08-23-99 PU RIH BIT TAG @ 3407'. PU POWER SWIVEL & BREAK CIRC. DRLG 2' HARD CMT TO RET. @ 3409' DRLG ON RET. TO BRASS STARTED SPINNING WORK TO LOCK UP, DRLG 20" OF RET. PU CIRC CLEAN SWISDFN.

08-24-99 SI 12.5HRS TP 0# CSG 0#, BRAKE CIRC DRLG 1'. PU POWER SWIVEL STARTED BACK DRLG @ 3410' FINISHED DRLG CMT RET. & HARD CMT TO 3430' CIRC CLEAN TEST 5.5" CSG TO 1000# 10 MIN OK. DRLG HARD CMT TO 3446 FAIL OUT CIRC CLEAN TEST 5.5" SQZ. TO 1000# BLEAD DN 360# IN 3MIN DN TO 450#. LAY DN POWER SWIVEL POOH W/ BIT SWISDFN.

08-25-99 SERV. UNIT SICP 0#. RIH W/ RR 5.5" PKR RELOCATE 5.5" CSG LEAK. RELOCATED 5.5" CSG LEAK SAME 3443 & ABOVE OK 3466 & BELOW OK TEST TO 1000# HELD OK LEAK OFF SAME 1000# BLEAD DN TO 360# IN 3-MINS. CIRC WELL BORE W/ F-WTR. POOH W/ PKR. RIH OET TO 3499.70 SWISDFN.

08-26-99 SERV. UNIT SIT/CSG PSI 0#. RU HES LOAD & BREAK CIRC. HAND MIXED CMT 13SX MICRO MATRIX AND 13SX MICRO FLY ASH IN CITY WTR W/ 4# 344+3#CFR+24#CaCL2 MIXED TO 12.5# YIELD 1.04, SPOTTED FROM 3500-3290, PULLED 10-JTS EOT @ 3140 SI STAGED SQZ. TO 1000# BLEAD OFF FIRST 1000# DN 600# IN 8 MIN STAGED UP TO 1300 3-TIMES FIRST 200# BLEAD DN IN 1.5 MIN & STABIZ. @ 1000# RAN OUT TIME, SQZ 1.25 BBLS INTO FORMA. SWISDFN RDMO HES.

08-27-99 WELL SHUT-IN WOC.

ATTACHMENT - FORM 3160-5
RATHERFORD UNIT - WELL #20-W-12
14-20-603-353
NAVAJO TRIBAL
SAN JUAN, UTAH
PAGE 2 OF 2

08-28-99 SI 44HRS T/CSG P 840# BLED OFF FLUID. POOH W/ TGB RIH BIT DRLG TOOLS TAG UP @ 3383. DRLG SOFT CMT TO 3461 SI TEST TO 1000# OK CONT. DRLG & TEST CSG OK FAIL OUT CMT @ 3476' RI TO 3552' CIRC CLEAN TEST TO 1000# 15 MIN HELD. POOH W/TBG LAY DN DRLG TOOLS. PU TBG POH W/ SAME SWISDFN & SUNDAY.

08-29-99 SHUT-IN SUNDAY

08-30-99 SHUT IN CSG. PRESSURE AT 07:30 WAS 0 PSI. MAKE-UP RETV. TOOL FOR BRIDGE PLUG. RIH WITH 2" TBG. TO 5500'. TAG UP ON SAND FILL. RIG UP POWER SWIVAL. CIRC. OUT SAND FILL FROM 5500' TO 5523'. LATCH ONTO BRIDGE PLUG. AND RELEASE. POH WITH 2" TBG AND BRIDGE PLUG. RIH WITH GUIBERSON G-VI PRODUCTION PACKER TO 5500'. SET RELEASE FROM ON/OFF TOOL. TEST CSG. TO 400 PSI. OK. POH, LAY DOWN WORK STRING FROM 5500' TO 1280'. SIFN

08-31-99 SHUT IN CSG. AND TBG. PRESSURE AT 07:30 WAS 0 PSI. FINISH POH AND LAY DOWN WORKSTRING TBG. CHANGE OUT TBG FLOATS. PULL OUT WORKSTRING TRAILER. SPOT PRODUCTION TBG. SIFN.

09-01-99 SHUT IN CSG. PRESSURE AT 07:30 WAS 0 PSI. PICK-UP AND RIH WITH HALLIBURTON ON/OFF TOOL AND 2.875" CMT. LINED TBG. TO 5500'. TEST, AND DRIFT TBG. WHILE RUNNING IN HOLE TO 3500 PSI. RELEASE FROM ON/OFF TOOL, SPACE OUT WITH 1-6' PUP JOINT. RIG UP TO PUMP. DISPLACE TBG. AND CSG. WITH 130 BBLS OF FRESH WATER AND PACKER FLUID. SIFN. CALLED NAVAJO E.P.A. AT 08:24 ON AUGUST 31-1999 INFORMED OF INTENT TO TEST FOR M.I.T. ON THUR. SEPT. 2-1999. TALKED TO EVELYN JIM. OK.

09-02-99 SHUT IN PRESSURE AT 07:30 WAS 0 PSI. RIH AND LATCH ONTO PACKER WITH ON/OFF TOOL AT 5494.92'. NIPPLE DOWN BOPE, NIPPLE UP PRODUCTION WELL HEAD. RIG UP FOR M.I.T. TEST NAVAJO E.P.A. TEST CSG. TO 1115 PSI. CSG. LEAKED OFF FROM 1115 PSI TO 810 PSI IN 30 MIN. TEST FAILED. RIG DOWN PUMP, TEMPORARILY SUSPEND OPERATIONS.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
☐ Oil Well ☐ Gas Well ☒ Other

INJECTOR

2. Name of Operator
MOBIL PRODUCING TX & NM INC.*
*MOBIL EXPLORATION & PRODUCING US INC. AS AGENT FOR MPTM

3a. Address
P.O. Box 633, Midland TX 79702

3b. Phone No. (include area code)
(915) 688-2585

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SEC. 20, T41S, R24E
1980' FNL & 660' FWL

5. Lease Serial No.

14-20-603-353

6. If Indian, Allottee or Tribe Name

NAVAJO TRIBAL

7. If Unit or CA/Agreement, Name and/or No.

RATHERFORD UNIT

8. Well Name and No.

RATHERFORD 20-W-12

9. API Well No.

43-037-15746

10. Field and Pool, or Exploratory Area

GREATER ANETH

11. County or Parish, State

SAN JUAN UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

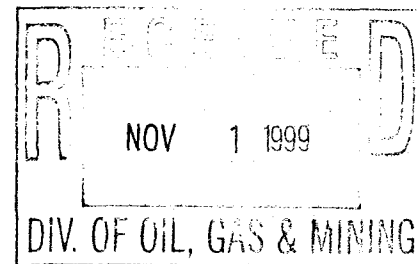
TYPE OF ACTION

- | | | | |
|---|---|--|---|
| <input type="checkbox"/> Acidize | <input type="checkbox"/> Deepen | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Alter Casing | <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Reclamation | <input type="checkbox"/> Well Integrity |
| <input checked="" type="checkbox"/> Casing Repair | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete | <input type="checkbox"/> Other _____ |
| <input type="checkbox"/> Change Plans | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon | |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back | <input type="checkbox"/> Water Disposal | |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

SEE ATTACHMENT (10-08-99 -- 10-13-99)

ATTACHED PASSED MIT & CHART



14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Title

SHIRLEY HOUCHINS/ENV & REG TECH

Date 10-29-99

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

ATTACHMENT - FORM 3160-5
RATHERFORD UNIT - WELL #20-W-12
14-20-603-353
NAVAJO TRIBAL
SAN JUAN, UTAH

10-08-99 CALLED NAVAJO E.P.A. AT 09:39 ON OCT. 8-1999, INFORMED OF M.I.T. TO BE DONE ON MONDAY, OCT.-11-1999 AT 13:00. TALKED TO EVELYN JIM. OK. CALLED NAVAJO E.P.A. AT 11:46 ON OCT. 7-1999. INFORMED OF INTENT TO MOVE IN AND WORKOVER WELL. EARTH PIT IN PLACE. TALKED TO PRESTENE GARNENEZ. OK. TEFTELLER RIH W/ 'F' PLUG TO 5491'. RD TEFTELLER. MIRU MONTEZUMA RIG #15 PUMP. TEST 'F' PLUG TO 800 PSI. OK. NIPPLE DOWN PRODUCTION WELL HEAD. NIPPLE UP BOPE. RELEASE FROM ON/OFF TOOL. POH W/ CMT. LINED TBG. SIFN & WEEKEND.

10-11-99 SIP 0#, CSG 0#, RU TEST TOOLS & FIS TOOLS RIH TEST 2.875" CL TBG TO 3000# W/N2, MADE UP CSG PATCH & 2.375" PL TBG, CONT. TEST 2.875" TBG IN HOLE. SWISDFN.

10-12-99 FINISH TESTING IN HOLE, SPACED OUT, CIRC PKR FLUID, LANDED W/ 10 PTS COMP. , ATTEMP PRE MIT TEST TO 1040# LEAK AROUND DONUT TO HYDRIL, NIP DN BOP INSTALLED WELL HEAD, PSI TO 1040 STILL LEAKED OFF 300# IN 30 MIN SAME LEAK SWISDFN.

10-13-99 SIP 0#, NIP DN WELL HEAD, - OFF PK, CHANGE OUT TO LONGER SUB, LATCHED ON PACK OFF PKR'S, NIP BACK UP TEST CSG 1040# 40 MIN OK, WAIT ON NAVAJO EPA, MIT TEST TO 1140# 30 MIN PASSED, FISHED 1.81 "F" PLUG, RIG DN TOOLS/EQUIP/UNIT.

ANNULAR PRESSURE TEST

(Mechanical Integrity Test)

Operator MOBIL E. & P., INC. Date of Test 10-13-99

Well Name RATHERFORD UNIT WELL#20-12 EPA Permit No. _____

Location SEC 20, T41S, R24E Tribal Lease No. 1420603353

State and County SAN JUAN COUNTY, UTAH

Continuous Recorder? YES ☒ NO ☐ Pressure Gauge? YES ☒ NO ☐

Bradenhead Opened? YES ☐ NO ☒ Fluid Flow? YES ☐ NO ☒

TIME	ANNULUS PRESSURE, psi <i>0-5000 psi gauge</i>	recorder	TUBING PRESSURE, psi <i>0-3000 psi gauge</i>
1:12 pm	1120	1145	0
1:17 pm	1120	1140	0
1:22 pm	1120	1140	0
1:27 pm	1120	1125	0
1:32 pm	1120	1123	0
1:37 pm	1120	1120	0
1:42 pm	1120	1120	0

MAX. INJECTION PRESSURE: 3000 PSI

MAX. ALLOWABLE PRESSURE CHANGE: 56.0 PSI (TEST PRESSURE X 0.05)

REMARKS: Passed? Failed? If failed, cease injection until well passes MIT (40CFR§144.21(c)(6)).

Bradenhead was buried.

Well just had a workover done on it.

Well was going to be put back on injection.

Passed MIT

J. B. Thompson

COMPANY REPRESENTATIVE: (Print and Sign)

10-13-99

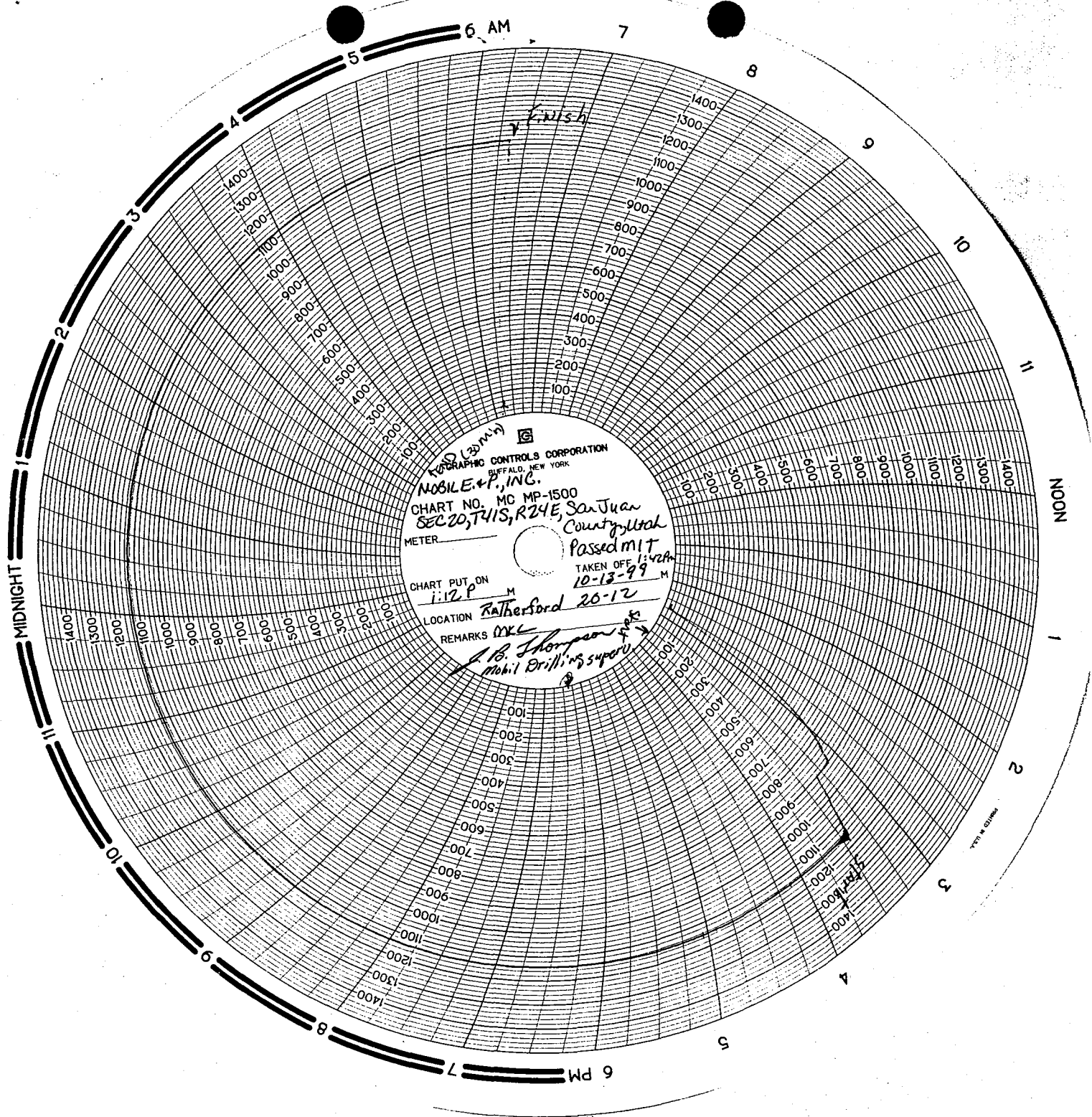
DATE

MELVINA K CLAH

INSPECTOR: (Print and Sign)

10-13-99

DATE



ExxonMobil Production Company
U.S. West
P.O. Box 4358
Houston, Texas 77210-4358

June 27, 2001

ExxonMobil
Production

Mr. Jim Thompson
State of Utah, Division of Oil, Gas and Mining
1549 West North Temple
Suite 1210
Salt Lake City, UT 84114-5801

Change of Name – Mobil Oil Corporation to
ExxonMobil Oil Corporation

Dear Mr. Thompson

Effective June 1, 2001, Mobil Oil Corporation (MOC) changed its name to ExxonMobil Oil Corporation (EMOC). This was a name change only; EMOC is the same corporation as Mobil Oil Corporation, but with a new name. No facility or other asset was transferred from one corporation to another by virtue of the name change. Specifically, EMOC will remain the owner and operator of its existing exploration and production oil and gas properties and facilities, as well as relevant permits.

There is no change to the name of Exxon Mobil Corporation, the ultimate shareholder of EMOC.

Please note the change of name of MOC to ExxonMobil Oil Corporation in your records pertaining to any MOC permits.

The Federal Identification Number for MOC (13-5401570) will remain the same for EMOC.

A copy of the Certification, Bond Rider and a list of wells are attached.

If you have any questions please feel free to call Joel Talavera at 713-431-1010

Very truly yours,

Charlotte H. Harper

Charlotte H. Harper
Permitting Supervisor

ExxonMobil Production Company
a division of Exxon Mobil Corporation,
acting for ExxonMobil Oil Corporation

RECEIVED

JUN 27 2001

DIVISION OF
OIL, GAS AND MINING



IN REPLY REFER TO:

United States Department of the Interior

BUREAU OF INDIAN AFFAIRS

Navajo Area Office
NAVAJO REGIONP.O. Box 1060
Gallup, New Mexico 87305-1060

AUG 30 2001

RRES/543

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Charlotte H. Harper, Permitting Supervisor
Exxon Mobil Production Company
U. S. West
P. O. Box 4358
Houston, TX 77210-4358

Dear Ms. Harper:

This is to acknowledge receipt of your company's name change from Mobil Oil Corporation to ExxonMobil Oil Corporation effective June 1, 2001. The receipt of documents includes the Name Change Certification, current listing of Officers and Directors, Listing of Leases, Financial Statement, filing fees of \$75.00 and a copy of the Rider for Bond Number 8027 31 97. There are no other changes.

Please note that we will provide copies of these documents to other concerned parties. If you need further assistance, you may contact Ms. Bertha Spencer, Realty Specialist, at (928) 871-5938.

Sincerely,

GEMINI DENETSONE

Regional Realty Officer

cc: BLM, Farmington Field Office w/enclosures ✓
Navajo Nation Minerals Office, Attn: Mr. Akhtar Zaman, Director/w enclosures

MINERAL RESOURCES	
ADM 1	<i>QSM</i>
NATV AMN COORD	
SOLID AMN TEAM	
PETRO AMN TEAM	<i>2</i>
O & G INSPECT TEAM	
ALL TEAM LEADERS	
LAND RESOURCES	
ENVIRONMENT	
FILES	

ExxonMobil Production Company
U.S. West
P.O. Box 4358
Houston, Texas 77210-4358

PS 7/12/001

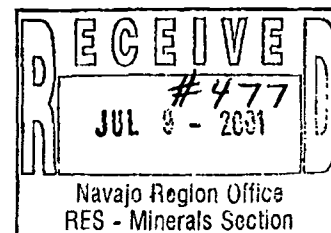
593
File

June 27, 2001

ExxonMobil
Production

Certified Mail
Return Receipt Requested

Ms. Genni Denetsone
United States Department of the Interior
Bureau of Indian Affairs, Navajo Region
Real Estate Services
P. O. Box 1060
Gallup, New Mexico 87305-1060
Mail Code 543



Change of Name -
Mobil Oil Corporation to
ExxonMobil Oil Corporation

Dear Ms. Denetsone:

Effective June 1, 2001, Mobil Oil Corporation (MOC) changed its name to ExxonMobil Oil Corporation (EMOC). This was a name change only; EMOC is the same corporation as Mobil Oil Corporation, but with a new name. No facility or other asset was transferred from one corporation to another by virtue of the name change. Specifically, EMOC will remain the owner and operator of its existing exploration and production oil and gas properties and facilities, as well as relevant permits.

There is no change to the name of Exxon Mobil Corporation, the ultimate shareholder of EMOC.

Please note the change of name of MOC to ExxonMobil Oil Corporation in your records pertaining to any MOC permits.

The Federal Identification Number for MOC (13-5401570) will remain the same for EMOC.

Attached is the Name Change Certification, Current listing of Officers and Directors, Filing Fee of \$75/-, Listing of Leases, Financial Statement and a copy of the Rider for Bond number 8027 31 97. The original Bond Rider has been sent to Ms. Barbar Davis at your Washington Office.

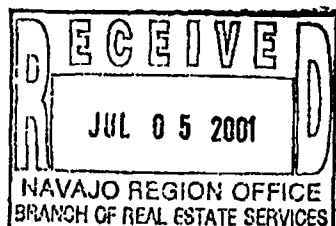
If you have any questions, please contact Alex Correa at (713) 431-1012.

Very truly yours,

Charlotte H. Harper

Charlotte H. Harper
Permitting Supervisor

Attachments



ExxonMobil Production Company
a division of Exxon Mobil Corporation,
acting for ExxonMobil Oil Corporation

NOTE: Check forwarded to Ella Isaac

APR-09-2002 TUE 01:17 PM BLM NM070 FFO FAX NO. 15055998998 P. 04
Bureau of Indian Affairs
Navajo Region Office
Attn: RRES - Mineral and Mining Section
P.O. Box 1060
Gallup, New Mexico 87305-1060

Gentlemen:

The current listing of officers and director of ExxonMobil Oil Corporation (Name of Corporation), of New York (State) is as follows:

OFFICERS

President	<u>F.A. Risch</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Vice President	<u>K.T. Koonce</u>	Address <u>800 Bell Street Houston, TX 77002</u>
Secretary	<u>F.L. Reid</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Treasure	<u>B.A. Maher</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>

DIRECTORS

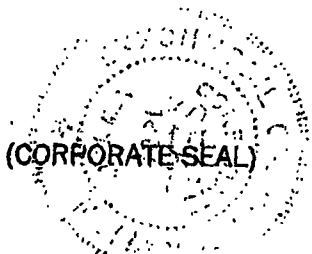
Name	<u>D.D. Humphreys</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Name	<u>P.A. Hanson</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Name	<u>T.P. Townsend</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Name	<u>B.A. Maher</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Name	<u>F.A. Risch</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>

Sincerely,



Alex Correa

This is to certify that the above information pertaining to ExxonMobil Oil Corporation (Corporation) is true and correct as evidenced by the records and accounts covering business for the State of Utah and in the custody of Corporation Service Company (Agent), Phone: 1 (800) 927-9800, whose business address is One Utah Center, 201 South Main Street, Salt Lake City, Utah 84111-2218



Signature

AGENT AND ATTORNEY IN FACT

Title

SAL

CERTIFICATION

I, the undersigned Assistant Secretary of ExxonMobil Oil Corporation. (formerly Mobil Oil Corporation), a corporation organized and existing under the laws of the State of New York, United States of America, DO HEREBY CERTIFY, That, the following is a true and exact copy of the resolutions adopted by the Board of Directors on May 22, 2001:

CHANGE OF COMPANY NAME

WHEREAS, the undersigned Directors of the Corporation deem it to be in the best interest of the Corporation to amend the Certificate of Incorporation of the Corporation to change the name and principal office of the Corporation:

NOW THEREFORE BE IT RESOLVED, That Article 1st relating to the corporate name is hereby amended to read as follows:

"1st The corporate name of said Company shall be,

ExxonMobil Oil Corporation",

FURTHER RESOLVED, That the amendment of the Corporation's Certificate of Incorporation referred to in the preceding resolutions be submitted to the sole shareholder of the Corporation entitled to vote thereon for its approval and, if such shareholder gives its written consent, pursuant to Section 803 of the Business Corporation Law of the State of New York, approving such amendment, the proper officers of the Corporation be, and they hereby are, authorized to execute in the name of the Corporation the Certificate of Amendment of Certificate of Incorporation, in the form attached hereto;


FURTHER RESOLVED, That the proper officers of the Corporation be and they hereby are authorized and directed to deliver, file and record in its behalf, the Certificate of Amendment of Certificate of Incorporation, and to take such action as may be deemed necessary or advisable to confirm and make effective in all respects the change of this Company's name to EXXONMOBIL OIL CORPORATION.

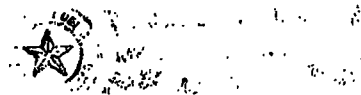
WITNESS, my hand and the seal of the Corporation at Irving, Texas, this 8th day of June, 2001.


Assistant Secretary

COUNTY OF DALLAS)
STATE OF TEXAS)
UNITED STATES OF AMERICA)

Sworn to and subscribed before me at Irving, Texas, U. S. A. on this the 8th day of June, 2001.


Notary Public



LISTING OF LEASES OF MOBIL OIL CORPORATION**Lease Number**

- 1) 14-20-0603-6504
- 2) 14-20-0603-6505
- 3) 14-20-0603-6506
- 4) 14-20-0603-6508
- 5) 14-20-0603-6509
- 6) 14-20-0603-6510
- 7) 14-20-0603-7171
- 8) 14-20-0603-7172A
- 9) 14-20-600-3530
- 10) 14-20-603-359
- 11) 14-20-603-368
- 12) 14-20-603-370
- 13) 14-20-603-370A
- 14) 14-20-603-372
- 15) 14-20-603-372A
- 16) 14-20-603-4495
- 17) 14-20-603-5447
- 18) 14-20-603-5448
- 19) 14-20-603-5449
- 20) 14-20-603-5450
- 21) 14-20-603-5451

6/1/01

CHUBB GROUP OF INSURANCE COMPANIES

1000 West 10th Street, Suite 1900, Houston, Texas 77027-3301
Telephone: (713) 227-4600 • Facsimile: (713) 297-4759

NW Bond

FEDERAL INSURANCE COMPANY RIDER
to be attached to and form a part of

BOND NO 8027 31 97

wherein

Mobil Oil Corporation and Mobil Exploration and Producing U.S., Inc. is
named as Principal and

FEDERAL INSURANCE COMPANY AS SURETY,

in favor of United States of America, Department of the Interior
Bureau of Indian Affairs

in the amount of \$150,000.00
bond date: 11/01/65

IT IS HEREBY UNDERSTOOD AND AGREED THAT effective June 1, 2001
the name of the Principal is changed

FROM: Mobil Oil Corporation and Mobil Exploration and Producing U.S., Inc.

TO : ExxonMobil Oil Corporation

All other terms and conditions of this Bond are unchanged.

Signed, sealed and dated this 12th of June, 2001.

ExxonMobil Oil Corporation

By: 

FEDERAL INSURANCE COMPANY

By: 

Mary Pierson, Attorney-in-fact

**Chubb
Surety****POWER
OF
ATTORNEY****Federal Insurance Company
Vigilant Insurance Company
Pacific Indemnity Company****Attn.: Surety Department
15 Mountain View Road
Warren, NJ 07059**

Know All by These Presents, That **FEDERAL INSURANCE COMPANY**, an Indiana corporation, **VIGILANT INSURANCE COMPANY**, a New York corporation, and **PACIFIC INDEMNITY COMPANY**, a Wisconsin corporation, do each hereby constitute and appoint **R.F. Bobo**,
Mary Pierson, **Philana Berros**, and **Jody E. Specht** of **Houston, Texas**-----

each as their true and lawful Attorney-in-Fact to execute under such designation in their names and to affix their corporate seals to and deliver for and on their behalf as surety thereon or otherwise, bonds and undertakings and other writings obligatory in the nature thereof (other than bail bonds) given or executed in the course of business, and any instruments amending or altering the same, and consents to the modification or alteration of any instrument referred to in said bonds or obligations.

In Witness Whereof, said **FEDERAL INSURANCE COMPANY**, **VIGILANT INSURANCE COMPANY**, and **PACIFIC INDEMNITY COMPANY** have each executed and attested these presents and affixed their corporate seals on this 10th day of May, 2001.

Kenneth C. Wendel
 Kenneth C. Wendel, Assistant Secretary

Frank E. Robertson
 Frank E. Robertson, Vice President

STATE OF NEW JERSEY } ss.
 County of Somerset

On this 10th day of May, 2001, before me, a Notary Public of New Jersey, personally came Kenneth C. Wendel, to me known to be Assistant Secretary of **FEDERAL INSURANCE COMPANY**, **VIGILANT INSURANCE COMPANY**, and **PACIFIC INDEMNITY COMPANY**, the companies which executed the foregoing Power of Attorney, and the said Kenneth C. Wendel being by me duly sworn, did depose and say that he is Assistant Secretary of **FEDERAL INSURANCE COMPANY**, **VIGILANT INSURANCE COMPANY**, and **PACIFIC INDEMNITY COMPANY** and knows the corporate seals thereof, that the seals affixed to the foregoing Power of Attorney are such corporate seals and were thereto affixed by authority of the By-Laws of said Companies; and that he signed said Power of Attorney as Assistant Secretary of said Companies by like authority; and that he is acquainted with Frank E. Robertson, and knows him to be Vice President of said Companies; and that the signature of Frank E. Robertson, subscribed to said Power of Attorney is in the genuine handwriting of Frank E. Robertson, and was thereto subscribed by authority of said Companies in the presence of the Notary Public.



Notary Public State of New Jersey
 No. 2231647

Commission Expires Oct 28, 2004

Karen A. Price
 Notary Public

Extract from the By-Laws of **FEDERAL INSURANCE COMPANY**, **VIGILANT INSURANCE COMPANY**, and **PACIFIC INDEMNITY COMPANY**:

"All powers of attorney for and on behalf of the Company may and shall be executed in the name and on behalf of the Company, either by the Chairman or the President or a Vice President or an Assistant Vice President, jointly with the Secretary or an Assistant Secretary, under their respective designations. The signature of such officers may be engraved, printed or lithographed. The signature of each of the following officers: Chairman, President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary and the seal of the Company may be affixed by facsimile to any power of attorney or to any certificate relating thereto appointing Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such power of attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding upon the Company with respect to any bond or undertaking to which it is attached."

I, Kenneth C. Wendel, Assistant Secretary of **FEDERAL INSURANCE COMPANY**, **VIGILANT INSURANCE COMPANY**, and **PACIFIC INDEMNITY COMPANY** (the "Companies") do hereby certify that

- (i) the foregoing extract of the By-Laws of the Companies is true and correct,
- (ii) the Companies are duly licensed and authorized to transact surety business in all 50 of the United States of America and the District of Columbia and are authorized by the U. S. Treasury Department; further, Federal and Vigilant are licensed in Puerto Rico and the U. S. Virgin Islands, and Federal is licensed in American Samoa, Guam, and each of the Provinces of Canada except Prince Edward Island; and
- (iii) the foregoing Power of Attorney is true, correct and in full force and effect.

Given under my hand and seals of said Companies at Warren, NJ this 12th day of June, 2001.



Kenneth C. Wendel
 Kenneth C. Wendel, Assistant Secretary

IN THE EVENT YOU WISH TO NOTIFY US OF A CLAIM, VERIFY THE AUTHENTICITY OF THIS BOND OR NOTIFY US OF ANY OTHER MATTER, PLEASE CONTACT US AT ADDRESS LISTED ABOVE, OR BY
 Telephone (908) 903-3485 Fax (908) 903-3656 e-mail: surety@chubb.com

CSC

5184334741

06/01 '01 08:46 NO.410 03/05

CSC

06/01 '01 09:06 NO.135 02/04

F010601000187

CERTIFICATE OF AMENDMENT
OF
CERTIFICATE OF INCORPORATION
OF
MOBIL OIL CORPORATION

CSC 45

(Under Section 805 of the Business Corporation Law)

Pursuant to the provisions of Section 805 of the Business Corporation Law, the undersigned President and Secretary, respectively, of Mobil Oil Corporation hereby certify:

FIRST: That the name of the corporation is MOBIL OIL CORPORATION and that said corporation was incorporated under the name of Standard Oil Company of New York.

SECOND: That the Certificate of Incorporation of the corporation was filed by the Department of State, Albany, New York, on the 10th day of August, 1882.

THIRD: That the amendments to the Certificate of Incorporation effected by this Certificate are as follows:

(a) Article 1st of the Certificate of Incorporation, relating to the corporate name, is hereby amended to read as follows:

"1st The corporate name of said Company shall be,
ExxonMobil Oil Corporation",

(b) Article 7th of the Certificate of Incorporation, relating to the office of the corporation is hereby amended to read as follows:

The office of the corporation within the State of New York is to be located in the County of Albany. The Company shall have offices at such other places as the Board of Directors may from time to time determine.

CSC
CSC

5184334741

06/01 '01 08:47 NO.410 04/05
06/01 '01 09:06 NO.133 03/04

FOURTH: That the amendments to the Certificate of Incorporation were authorized by the Board of Directors followed by the holder of all outstanding shares entitled to vote on amendments to the Certificate of Incorporation by written consent of the sole shareholder dated May 22, 2001.

IN WITNESS WHEREOF, this Certificate has been signed this 22nd Day of May, 2001.


F. A. Risch, President

STATE OF TEXAS)
COUNTY OF DALLAS)

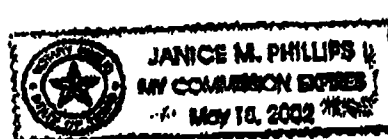
F. L. REID, being duly sworn, deposes and says that he is the Secretary of MOBIL OIL CORPORATION, the corporation mentioned and described in the foregoing instrument; that he has read and signed the same and that the statements contained therein are true.


F. L. REID, Secretary

SUBSCRIBED AND SWORN TO before me, the undersigned authority, on this the 22nd day of May, 2001.

[SEAL]


NOTARY PUBLIC, STATE OF TEXAS



=> CSC

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06/01'01 08:19

CSC
CSC

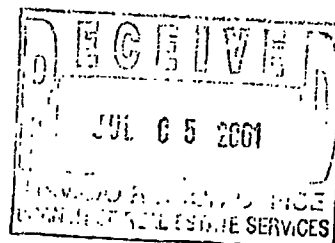
5184334741

06/01 '01 09:01 NO.411 02/02
06/01 '01 09:08 NO.133 04/04
F010601000187**CSC 45****CERTIFICATE OF AMENDMENT****OF****MOBIL OIL CORPORATION**

Under Section 805 of the Business Corporation Law

*SAC***100^{cc}**
STATE OF NEW YORK
DEPARTMENT OF STATEFiled by: EXXONMOBIL CORPORATION
(Name)

FILED JUN 01 2001

5959 Las Colinas Blvd.
(Mailing address)TAX \$
BY: *SAC*Irving, TX 75039-2298
(City, State and Zip code)*ny Albany**Cust Reg # 165578 MPJ***010601000195**

=> CSC

TEL=5184334741

06/01'01 08:19

State of New York }
Department of State } ss:

I hereby certify that the annexed copy has been compared with the original document in the custody of the Secretary of State and that the same is a true copy of said original.

Witness my hand and seal of the Department of State on **JUN 01 2001**



Special Deputy Secretary of State

OPERATOR CHANGE WORKSHEET

ROUTING

- | |
|---------|
| 1. GLH |
| 2. CDW |
| 3. FILE |

Change of Operator (Well Sold)

Designation of Agent

X Operator Name Change

Merger

The operator of the well(s) listed below has changed, effective: **06-01-2001**

FROM: (Old Operator):	TO: (New Operator):
MOBIL EXPLORATION & PRODUCTION	EXXONMOBIL OIL CORPORATION
Address: P O BOX DRAWER "G"	Address: U S WEST P O BOX 4358
CORTEZ, CO 81321	HOUSTON, TX 77210-4358
Phone: 1-(970)-564-5212	Phone: 1-(713)-431-1010
Account No. N7370	Account No. N1855

CA No.

Unit: **RATHERFORD**

WELL(S)

NAME	SEC TWN RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
RATHERFORD U 19W21	19-41S-24E	43-037-15741	6280	INDIAN	WI	A
DSRT A-26 (RATHERFORD 19W23)	19-41S-24E	43-037-15742	99990	INDIAN	WI	A
RATHERFORD U 19-32	19-41S-24E	43-037-15743	6280	INDIAN	WI	A
RATHERFORD U 19-34	19-41S-24E	43-037-15744	6280	INDIAN	WI	A
DESERT A-24 (RATHERFORD 19W41)	19-41S-24E	43-037-15745	99990	INDIAN	WI	A
DESERT A-23 (RATHERFORD 19W43)	19-41S-24E	43-037-16420	99990	INDIAN	WI	A
RATHERFORD U 20-12	20-41S-24E	43-037-15746	6280	INDIAN	WI	I
RATHERFORD U 20-14	20-41S-24E	43-037-15747	6280	INDIAN	WI	A
DESERT A-18 (RATHERFORD 20W23)	20-41S-24E	43-037-15748	99990	INDIAN	WI	A
RATHERFORD U 20-32	20-41S-24E	43-037-15749	6280	INDIAN	WI	A
RATHERFORD U 20-34	20-41S-24E	43-037-15750	6280	INDIAN	WI	A
RATHERFORD 20W41 (DESERT A-27)	20-41S-24E	43-037-15751	99990	INDIAN	WI	A
RATHERFORD 20-67	20-41S-24E	43-037-31590	6280	INDIAN	WI	A
RATHERFORD U 21-14	21-41S-24E	43-037-15753	6280	INDIAN	WI	I
RATHERFORD UNIT 21-67	21-41S-24E	43-037-31753	6280	INDIAN	WI	A
RATHERFORD UNIT 28-12	28-41S-24E	43-037-15336	6280	INDIAN	WI	A
NAVAJO A-19 (RATHERFORD 28W21)	28-41S-24E	43-037-16431	99990	INDIAN	WI	A
RATHERFORD U 29-12	29-41S-24E	43-037-15337	6280	INDIAN	WI	A
RATHERFORD U 29-32	29-41S-24E	43-037-15339	6280	INDIAN	WI	A
RATHERFORD 29W21	29-41S-24E	43-037-16432	99990	INDIAN	WI	A
NAVAJO B-5 (RATHERFORD 30W41)	30-41S-24E	43-037-15343	99990	INDIAN	WI	A
NAVAJO B-16 (RATHERFORD 30W21)	30-41S-24E	43-037-16435	99990	INDIAN	WI	I

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 06/29/2001
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 06/29/2001
- The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 04/09/2002
- Is the new operator registered in the State of Utah: YES Business Number: 579865-0143

5. If **NO**, the operator was contacted contacted on: N/A

6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BIA-06/01/01

7. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: 06/01/2001

8. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: N/A

9. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

NOTE: EPA ISSUES UIC PERMIT

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 04/11/2002

2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 04/11/2002

3. Bond information entered in RBDMS on: N/A

4. Fee wells attached to bond in RBDMS on: N/A

STATE WELL(S) BOND VERIFICATION:

1. State well(s) covered by Bond Number: N/A

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: N/A

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: 80273197

FEE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number N/A

2. The **FORMER** operator has requested a release of liability from their bond on: N/A
The Division sent response by letter on: N/A

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

COMMENTS:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Injector</u>		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-603-353
2. NAME OF OPERATOR: ExxonMobil Oil Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Navajo Tribal
3. ADDRESS OF OPERATOR: P.O. Box 4358 CITY Houston STATE TX ZIP 77210-4358		7. UNIT or CA AGREEMENT NAME: Ratherford Unit
PHONE NUMBER: (281) 654-1936		8. WELL NAME and NUMBER: Ratherford Unit 20W12
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1980' FNL & 660' FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNW 20 41S 24E		9. API NUMBER: 4303715746
		10. FIELD AND POOL, OR WILDCAT: Greater Aneth
		COUNTY: San Juan
		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: 6/18/2004	<input checked="" type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

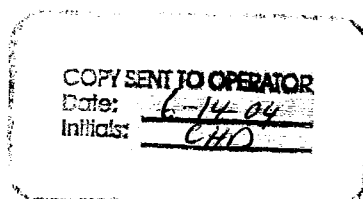
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

MIRU Schlumberger Coil Tubing Unit.

RIH with bit, 1-11/16" motor and wash nozzle sub, all on 1-1/4" CT. Clean out open-hole lateral to measured TD @ 6550'. Once on bottom, continue to circulate until returns are clean.

Drop ball to shift sleeve and open wash nozzle ports. Stimulate open-hole by pumping 2000 gals acid at 1 bpm while POOH @ 20 fpm. Allow acid to soak for +/- 1 hour and attempt to flow back load. If well will not flow, then RIH with coil to TD and circulate out spent acid with produced water. POOH with coil.

RDMO CTU. Return well to injection.



NAME (PLEASE PRINT) <u>Tiffany Stebbins</u>	TITLE <u>Staff Office Assistant</u>
SIGNATURE <u>Tiffany Stebbins</u>	DATE <u>6/8/2004</u>

(This space for State use only)

Accepted by the
Utah Division of
Oil, Gas and Mining

Federal Approval Of This
Action Is Necessary

RECEIVED

JUN 11 2004

(5/2000)

Date: 6/13/04

By: [Signature]

(See Instructions on Reverse Side)

DIV. OF OIL, GAS & MINING

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

ROUTING

1. DJJ

2. CDW

X Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

6/1/2006

FROM: (Old Operator):
 N1855-ExxonMobil Oil Corporation
 PO Box 4358
 Houston, TX 77210-4358
 Phone: 1 (281) 654-1936

TO: (New Operator):
 N2700-Resolute Natural Resources Company
 1675 Broadway, Suite 1950
 Denver, CO 80202
 Phone: 1 (303) 534-4600

CA No.

Unit:

RATHERFORD (UIC)

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 4/21/2006
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 4/24/2006
3. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 6/7/2006
4. Is the new operator registered in the State of Utah: YES Business Number: 5733505-0143
5. If **NO**, the operator was contacted on: _____
- 6a. (R649-9-2) Waste Management Plan has been received on: requested
- 6b. Inspections of LA PA state/fee well sites complete on: n/a
- 6c. Reports current for Production/Disposition & Sundries on: ok
7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM n/a BIA not yet
8. **Federal and Indian Units:**
 The BLM or BIA has approved the successor of unit operator for wells listed on: not yet
9. **Federal and Indian Communization Agreements ("CA"):**
 The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 6/12/2006

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 6/22/2006
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 6/22/2006
3. Bond information entered in RBDMS on: n/a
4. Fee/State wells attached to bond in RBDMS on: n/a
5. Injection Projects to new operator in RBDMS on: 6/22/2006
6. **Receipt of Acceptance of Drilling Procedures for APD/New** on: n/a

BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: n/a
2. Indian well(s) covered by Bond Number: PA002769
3. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number n/a
- a. The **FORMER** operator has requested a release of liability from their bond on: n/a
 The Division sent response by letter on: n/a

LEASE INTEREST OWNER NOTIFICATION:

4. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

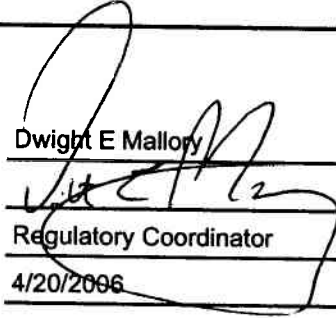
Well Name and Number See attached list	API Number Attached
Location of Well Footage: See attached list County: San Juan QQ, Section, Township, Range: State: UTAH	Field or Unit Name Ratherford Unit Lease Designation and Number See attached list

EFFECTIVE DATE OF TRANSFER: 6/1/2006


CURRENT OPERATOR

Company: Exxon Mobil Oil Corporation
Address: PO Box 4358
city Houston state TX zip 77210-4358
Phone: (281) 654-1936
Name: _____
Signature: _____
Title: _____
Date: _____
Comments: Exxon Mobil has submitted a separate, signed copy of UIC Form 5

NEW OPERATOR

Company: Resolute Natural Resources Company
Address: 1675 Broadway, Suite 1950
city Denver state CO zip 80202
Phone: (303) 534-4600
Name: Dwight E Mallory
Signature: 
Title: Regulatory Coordinator
Date: 4/20/2006
Comments: A list of affected UIC wells is attached.
New bond numbers for these wells are:
BIA Bond # PA002769 and US EPA Bond # B001252

(This space for State use only)

Transfer approved by: 
Title: Field Operations Manager

Approval Date: 6/12/06

Comments:

RECEIVED
APR 24 2006

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Unit Agreement</u>		5. LEASE DESIGNATION AND SERIAL NUMBER: See attached list
2. NAME OF OPERATOR: Resolute Natural Resources Company <u>N2700</u>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Navajo Tribe
3. ADDRESS OF OPERATOR: 1675 Broadway, Suite 1950 CITY <u>Denver</u> STATE <u>CO</u> ZIP <u>80202</u>		7. UNIT or CA AGREEMENT NAME: Ratherford Unit
4. LOCATION OF WELL FOOTAGES AT SURFACE: <u>See attached list</u>		8. WELL NAME and NUMBER: See attached list
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <u></u>		9. API NUMBER: Attached
		10. FIELD AND POOL, OR WILDCAT: Greater Aneth
		COUNTY: <u>San Juan</u>
		STATE: <u>UTAH</u>

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u></u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: <u></u>	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: <u></u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective June 1, 2006 Exxon Mobil Oil Corporation resigns as operator of the Ratherford Unit. Also effective June 1, 2006 Resolute Natural Resources Company is designated as successor operator of the Ratherford Unit.

A list of affected producing and water source wells is attached. A separate of affected injection wells is being submitted with UIC Form 5, Transfer of Authority to Inject.

As of the effective date, bond coverage for the affected wells will transfer to BIA Bond # PA002769.

NAME (PLEASE PRINT) <u>Dwight E Mallory</u>	TITLE <u>Regulatory Coordinator</u>
SIGNATURE <u>[Signature]</u>	DATE <u>4/20/2006</u>

(This space for State use only)

APPROVED 6127106

Earlene Russell

Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

RECEIVED

APR 24 2006

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Injection</u>		5. LEASE DESIGNATION AND SERIAL NUMBER:
2. NAME OF OPERATOR: ExxonMobil Oil Corporation <u>N1855</u>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: <u>Ship Rock</u>
3. ADDRESS OF OPERATOR: P.O. Box 4358 CITY <u>Houston</u> STATE <u>TX</u> ZIP <u>77210-4358</u>		7. UNIT or CA AGREEMENT NAME: <u>UTU68931A</u>
4. LOCATION OF WELL FOOTAGES AT SURFACE: QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		8. WELL NAME and NUMBER: <u>Ratherford</u>
PHONE NUMBER: <u>(281) 654-1936</u>		9. API NUMBER: <u>attached</u>
		10. FIELD AND POOL, OR WILDCAT: <u>Aneth</u>

COUNTY: San Juan

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>6/1/2006</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

ExxonMobil Oil Corporation is transferring operatorship of Greater Aneth field, Ratherford lease to Resolute Natural Resources Company. All change of operator notices should be made effective as of 7:00 AM MST on June 1, 2006.

Attached please find a listing of injection wells included in the transfer.

NAME (PLEASE PRINT) <u>Laurie Kilbride</u>	TITLE <u>Permitting Supervisor</u>
SIGNATURE <u>Laurie Kilbride</u>	DATE <u>4/19/2006</u>

(This space for State use only)

APPROVED 6/27/06
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician
(See Instructions on Reverse Side)

RECEIVED
APR 21 2006

GREATER ANETH FIELD UIC WELL LIST
Ratherford lease, San Juan County, Utah

Reg Lease Name	Well ID	API Num	Status	Reg Lease #	Surface Location							
					Qtr 1	Qtr 2	Sec	TN	RNG	NS Foot	EW Foot	
RATHERFORD UNIT	1W24	430371583900S1	Shut-in	14-20-603-246A	NE	SE	1	41S	23E	0651FSL	3300FEL	
RATHERFORD UNIT	2W44	430371638600S1	Active	14-20-603-246A	SE	SE	2	41S	23E	0810FSL	0510FEL	
RATHERFORD UNIT	11W42	430371584100S1	Active	14-20-603-246A	SE	NE	11	41S	23E	3290FSL	4617FWL	
RATHERFORD UNIT	11W44	430371584200S1	Shut-in	14-20-603-246A	SE	SE	11	41S	23E	0660FSL	0558FEL	
RATHERFORD UNIT	12W11	430371584300S1	Active	14-20-603-246A	NW	NW	12	41S	23E	0678FNL	4620FEL	
RATHERFORD UNIT	12W13	430371640400S1	Active	14-20-603-246A	NW	SW	12	41S	23E	1980FSL	4620FEL	
RATHERFORD UNIT	12W22	430371584501S1	Active	14-20-603-246A	SE	NW	12	41S	23E	1920FNL	2080FWL	
RATHERFORD UNIT	12W24	430373115101S1	Active	14-20-603-246A	SE	SW	12	41S	23E	0775FSL	1980FWL	
RATHERFORD UNIT	12W31	430371584700S1	Active	14-20-603-246A	NW	NE	12	41S	23E	0661FNL	1981FEL	
RATHERFORD UNIT	12W33	430371584800S1	Active	14-20-603-246A	NW	SE	12	41S	23E	1958FSL	3300FEL	
RATHERFORD UNIT	12W42	430371585000S1	Active	14-20-603-246A	SE	NE	12	41S	23E	3275FSL	0662FEL	
RATHERFORD UNIT	12W44A	430373154300S1	Shut-in	14-20-603-246A	SE	SE	12	41S	23E	0772FSL	0807FEL	
RATHERFORD UNIT	13W11	430373115201S1	Active	14-20-603-247A	NW	NW	13	41S	23E	0500FNL	0660FWL	
RATHERFORD UNIT	13W13	430371585100S1	Active	14-20-603-247A	NW	SW	13	41S	23E	1980FSL	4620FEL	
RATHERFORD UNIT	13W22	430371585200S1	Active	14-20-603-247A	SE	NW	13	41S	23E	1988FNL	3300FEL	
RATHERFORD UNIT	13W24	430371585300S1	Active	14-20-603-247A	SE	SW	13	41S	23E	0660FSL	3300FEL	
RATHERFORD UNIT	13W33	430371585501S1	Active	14-20-603-247A	NW	SE	13	41S	23E	1970FSL	1979FEL	
RATHERFORD UNIT	13W42	430371585700S1	Shut-in	14-20-603-247A	SE	NE	13	41S	23E	2139FNL	0585FEL	
RATHERFORD UNIT	13W44	430371640700S1	Active	14-20-603-247A	SE	SE	13	41S	23E	0653FSL	0659FEL	
RATHERFORD UNIT	14-31	430373171700S1	Active	14-20-603-247A	NW	NE	14	41S	23E	0754FNL	1604FEL	
RATHERFORD UNIT	14W42	430371586001S1	Active	14-20-603-247A	SE	NE	14	41S	23E	1976FNL	653FEL	
RATHERFORD UNIT	24W31	430371586200S1	Shut-in	14-20-603-247A	NW	NE	24	41S	24E	0560FNL	1830FEL	
RATHERFORD UNIT	24W42	430371586300S1	Shut-in	14-20-603-247A	SE	NE	24	41S	24E	1980FNL	0660FEL	
RATHERFORD UNIT	17W12	430371572601S1	Active	14-20-603-353	SW	NW	17	41S	24E	1980FNL	510FWL	
RATHERFORD UNIT	17W14	430371572700S1	Active	14-20-603-353	SW	SW	17	41S	24E	0610FSL	0510FWL	
RATHERFORD UNIT	17W21	430371641601S1	Active	14-20-603-353	NE	NW	17	41S	24E	0510FNL	1830FWL	
RATHERFORD UNIT	17W23	430371572801S1	Active	14-20-603-353	NE	SW	17	41S	24E	1880FSL	1980FWL	
RATHERFORD UNIT	17W32	430371572900S1	TA'd	14-20-603-353	SW	NE	17	41S	24E	1830FNL	2030FEL	
RATHERFORD UNIT	17W34	430371573000S1	Active	14-20-603-353	SW	SE	17	41S	24E	0560FSL	1880FEL	
RATHERFORD UNIT	17W41	430371573100S1	Shut-in	14-20-603-353	NE	NE	17	41S	24E	0610FNL	0510FEL	
RATHERFORD UNIT	17W43	430371641701S1	Active	14-20-603-353	NE	SE	17	41S	24E	1980FSL	0660FEL	
RATHERFORD UNIT	18-43B	430373171801S1	Active	14-20-603-353	NE	SE	18	41S	24E	2023FSL	0651FEL	
RATHERFORD UNIT	18W12	430373115301S1	Active	14-20-603-353	SW	NW	18	41S	24E	1980FNL	560FWL	
RATHERFORD UNIT	18W14	430371573501S1	Active	14-20-603-353	SW	SW	18	41S	24E	0810FSL	0600FWL	
RATHERFORD UNIT	18W21	430371641801S1	Active	14-20-603-353	NE	NW	18	41S	24E	660FNL	1882FWL	
RATHERFORD UNIT	18W23	430373024400S1	Shut-in	14-20-603-353	NE	SW	18	41S	24E	2385FSL	2040FWL	
RATHERFORD UNIT	18W32	430371573601S1	Active	14-20-603-353	SW	NE	18	41S	24E	2140FNL	1830FEL	
RATHERFORD UNIT	18W34	430371573701S1	Active	14-20-603-353	SW	SE	18	41S	24E	780FSL	1860FEL	
RATHERFORD UNIT	18W41	430371573800S1	TA'd	14-20-603-353	NE	NE	18	41S	24E	0660FNL	0660FEL	
RATHERFORD UNIT	19-12	430371573901S1	Active	14-20-603-353	SW	NW	19	41S	24E	1980FNL	0600FWL	
RATHERFORD UNIT	19-32	430371574301S1	Active	14-20-603-353	SW	NE	19	41S	24E	2717FNL	2802FEL	
RATHERFORD UNIT	19-34	430371574401S1	Active	14-20-603-353	SW	SE	19	41S	24E	0660FSL	1980FEL	
RATHERFORD UNIT	19W21	430371574100S1	Shut-in	14-20-603-353	NE	NW	19	41S	24E	0660FNL	1860FWL	
RATHERFORD UNIT	19W23	430371574200S1	Shut-in	14-20-603-353	NE	SW	19	41S	24E	2080FSL	1860FWL	
RATHERFORD UNIT	19W43	430371642000S1	Shut-in	14-20-603-353	NE	SE	19	41S	24E	1980FSL	0760FEL	
RATHERFORD UNIT	20-12	430371574601S1	Active	14-20-603-353	SW	NW	20	41S	24E	0709FNL	0748FEL	
RATHERFORD UNIT	20-14	430371574701S1	Active	14-20-603-353	SW	SW	20	41S	24E	0660FSL	0660FWL	
RATHERFORD UNIT	20-32	430371574901S1	Active	14-20-603-353	SW	NE	20	41S	24E	0037FNL	0035FWL	
RATHERFORD UNIT	20-34	430371575001S1	Active	14-20-603-353	SW	SE	20	41S	24E	0774FNL	0617FWL	
RATHERFORD UNIT	20-67	430373159000S1	Active	14-20-603-353	NE	SW	20	41S	24E	2629FSL	1412FWL	
RATHERFORD UNIT	20W21	430371642300S1	Active	14-20-603-353	NE	NW	20	41S	24E	0660FNL	1880FWL	
RATHERFORD UNIT	20W23	430371574800S1	Active	14-20-603-353	NW	SW	20	41S	24E	2080FSL	2120FWL	
RATHERFORD UNIT	20W41	430371575100S1	Active	14-20-603-353	NE	NE	20	41S	24E	0660FNL	0660FEL	
RATHERFORD UNIT	20W43	430371642400S1	TA'd	14-20-603-353	NE	SE	20	41S	24E	2070FSL	0810FEL	
RATHERFORD UNIT	16W12	430371572000S1	Active	14-20-603-355	SW	NW	16	41S	24E	1880FNL	0660FWL	

GREATER ANETH FIELD UIC WELL LIST
Ratherford lease, San Juan County, Utah

Reg Lease Name	Well ID	API Num	Status	Reg Lease #	Surface Location						
					Qtr 1	Qtr 2	Sec	TN	RNG	NS Foot	EW Foot
RATHERFORD UNIT	16W14	430371572100S1	Shut-in	14-20-603-355	SW	SW	16	41S	24E	0660FSL	0660FWL
RATHERFORD UNIT	16W21	430371641400S1	Active	14-20-603-355	NE	NW	16	41S	24E	0660FNL	1880FWL
RATHERFORD UNIT	16W23	430371572201S1	Active	14-20-603-355	NE	SW	16	41S	24E	1980FSL	1980FWL
RATHERFORD UNIT	16W43	430371641501S1	Active	14-20-603-355	NE	SE	16	41S	24E	2140FSL	0820FEL
RATHERFORD UNIT	21-14	430371575301S1	Active	14-20-603-355	SW	SW	21	41S	24E	0660FSL	0460FWL
RATHERFORD UNIT	21-67	430373175301S1	Active	14-20-603-355	NE	SW	21	41S	24E	2560FSL	1325FWL
RATHERFORD UNIT	21W21	430371642501S1	Active	14-20-603-355	NE	NW	21	41S	24E	0660FNL	2030FWL
RATHERFORD UNIT	6W14	430371598400S1	Active	14-20-603-368	NE	SE	6	41S	24E	0660FSL	0660FWL
RATHERFORD UNIT	7W12	430371598500S1	Active	14-20-603-368	NE	SE	7	41S	24E	2140FNL	0585FWL
RATHERFORD UNIT	7W14	430371598600S1	Active	14-20-603-368	NE	SE	7	41S	24E	1065FSL	0660FWL
RATHERFORD UNIT	7W21	430371639400S1	Active	14-20-603-368	NE	NW	7	41S	24E	0710FNL	1820FWL
RATHERFORD UNIT	7W34	430371598900S1	Active	14-20-603-368	SW	SE	7	41S	24E	0710FSL	2003FEL
RATHERFORD UNIT	7W43	430371639500S1	Active	14-20-603-368	NE	SE	7	41S	24E	2110FSL	0660FEL
RATHERFORD UNIT	8W14	430371599200S1	Active	14-20-603-368	SW	NE	8	41S	24E	0745FSL	0575FWL
RATHERFORD UNIT	10W43	430371640300S1	TA'd	14-20-603-4037	NE	SE	10	41S	24E	1980FSL	0550FEL
RATHERFORD UNIT	29-12	430371533701S1	Active	14-20-603-407	SW	NW	29	41S	24E	2870FNL	1422FWL
RATHERFORD UNIT	29-32	430371533901S1	Active	14-20-603-407	SW	NE	29	41S	24E	0694FNL	0685FWL
RATHERFORD UNIT	29W21	430371643200S1	Active	14-20-603-407	NE	NW	29	41S	24E	0667FNL	2122FWL
RATHERFORD UNIT	29W41	430371643300S1	Active	14-20-603-407	NE	NE	29	41S	24E	0557FNL	0591FEL
RATHERFORD UNIT	29W43	430371643400S1	Shut-in	14-20-603-407	NE	SE	29	41S	24E	1980FSL	0660FEL
RATHERFORD UNIT	30W41	430371534300S1	Shut-in	14-20-603-407	NE	NE	30	41S	24E	0660FNL	0660FEL
RATHERFORD UNIT	28-12	430371533601S1	Active	14-20-603-409	SW	SE	28	41S	24E	2121FNL	0623FWL
RATHERFORD UNIT	28W21	430371643100S1	Shut-in	14-20-603-409	NE	NW	28	41S	24E	0660FNL	2022FWL
RATHERFORD UNIT	9W23	430371639800S1	Active	14-20-603-5046	NW	SE	9	41S	24E	1980FSL	1980FWL